

New Acland Coal Mine Stage 3 Project

Air, Noise and Vibration Report October 2023

New Acland Mine





NEW HOPE GROUP

AIR, NOISE AND VIBRATION MONTHLY REPORT - NEW ACLAND STAGE 3 PROJECT



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1. Introduction

1.1. Purpose

This document (**Report**) is issued by New Acland Coal Pty Ltd (**New Acland Coal/NAC**) in respect of the New Acland Coal Mine Stage 3 project (**New Acland Mine** or **Project**).

The purpose of this Report is to make publicly available environmental monitoring reports from air, noise and vibration monitoring that has been conducted at and around the New Acland Mine in accordance with environmental authority EPML00335713 (Environmental Authority / EA).

This Report exclusively covers the period commencing on 01 October and ending on 31 October 2023 (Monitoring Period).

This report is intended to satisfy the requirements of Condition 3 of the Co-ordinator General's Imposed Conditions applicable to the Project.¹

1.2. Overview of operations during the Monitoring Period

During the Monitoring Period, mining related activities continued in Manning Vale East pit, but did not progress into the Willeroo or Manning Vale West pits. The mining activities included removal of overburden, drill and blast works, progressive rehabilitation, wash plant operation and heavy vehicle workshop.

1.3. Independent Review of Noise Compliance Monitoring

In accordance with EA Condition F13, for the first 12 months of the Stage 3 Mine, the monthly Compliance Noise Monitoring Report must be reviewed by an appropriately qualified independent acoustic consultant. This independent acoustic consultant must prepare their own (independent) report/memorandum, within two weeks of receiving the draft report, stating the process they have used to review the noise monitoring, analysis and findings and their acceptance (or otherwise) of the monthly noise monitoring report.

This review has been completed by AARC consulting, a third-party independent entity, and the report can be reviewed in Appendix 3 – Third-Party External Reports. The review of the determined the following:

 AARC accepts the October 2023 SLR report as being in accordance with the EA, and agrees with the conclusion of the SLR report that NAC mine noise levels during the October 2023 monitoring period were compliant with the NAC EA.

Recommendations identified by AARC were implemented in the monthly compliance monitoring report as needed. All monitoring data collected over the Monitoring Period has been assessed against the compliance limits of the relevant Environmental Authority conditions. These relevant Environmental Authority conditions are reproduced in Appendix 4 and the applicable Environmental Authority limits have been reproduced in Table 12 to Table 14 which are set out in Appendix 5.

¹ As last stated in the New Acland Coal Mine Stage 3 project Coordinator-General's change report No. 4 – amendment to stated conditions following Land Court (2021) proceedings released on 26 May 2022.

2. Environmental Monitoring

During the Monitoring Period, the following monitoring was undertaken:

- Meteorological Monitoring (section 2.1)
 - Wind Speed and Direction
 - Temperature
 - Precipitation
 - Relative Humidity
 - Solar Radiation
 - Net radiation
- Air Quality Monitoring (refer to Section 2.2)
 - Total suspended particles (TSP) using TEOMs.
 - PM2.5 using TEOMs.
 - PM10 using TEOMs.
 - Insoluble solids.
- Noise Monitoring (Section 2.3)
 - Continuous performance monitoring.
 - Attended and unattended sensitive receptor monitoring.
- Vibration Monitoring (Section 2.4)
 - Blast and vibration results at sensitive receptors.

All environmental monitoring described in this Report was conducted by suitably qualified and experienced personnel as required under schedule B of the Environmental Authority and using equipment / instruments maintained in accordance with schedule F of the Environmental Authority.

2.1. Meteorological Monitoring Location and Parameters

A weather station is situated within the Acland Township to provide real-time conditions to the site. This includes monitoring for the parameters outlined within the Table 1 below. The station has been constructed and installed in accordance with AS/NZS 3580:14:2014.

Table 1: Meteorological monitoring site and parameters

Parameter	Site ID	Device / Instrument	Measuring Method
Wind Speed,		RM Young 86000	Methods for sampling
Direction and Sigma			and analysis of ambient
Temperature and		RM Young 41382VC	air, AS/NZS 3580.14-
Relative Humidity	1 – Acland		2014, Meteorological
Rainfall		RM Young 52202 Tipping	monitoring for ambient
		Bucket	air quality monitoring
			applications

2.2. Air Quality Monitoring Locations and Parameters

Air quality monitoring was performed at seven (7) locations during the Monitoring Period. These monitoring locations are outlined in Table 1 and shown in Figure 1.

It is noted that certain location descriptions outlined below deviate from the ones outlined in the Environmental Authority conditions with the rationale for such deviations being set out in New Acland Coal's Air Emissions Management Plan.

Table 2: Air quality monitoring sites and parameters

	Site ID							
Parameter	1, 2 (Acland)	7, 8 (North)	38, 39 (West)	35, 36 (West)	16 (East) Acland- Silverleig h Road	15 (East)		
PM _{2.5} TEOM	✓			×				
PM _{2.5} background	×	×	✓	×	✓	*		
PM ₁₀ TEOM	✓	✓	✓	✓	✓	✓		
TSP TEOM	✓	√ **	√ **	√ **	√ **	√ **		
Dust gauge – insoluble solids	✓	✓	✓	✓	✓	✓		

2.3. Noise Monitoring Parameters and Locations

Noise monitoring was performed at various locations during the Monitoring Period. These monitoring locations are outlined in Table 3 and shown in Figure 2 and Figure 3.

For further information on the noise monitoring strategy please refer to the Noise and Vibration Management Plan.

Table 3: Noise monitoring sites and parameters

Parameter		Loc					ocations				
Performance Monitoring – Directional Noise Compass*2	North	ern Con	npass				ML1	L – Aclar	nd		
Unattended Noise Monitoring	1	4	8	10	11	15	19	34	35	38	
Attended Noise Monitoring	1	4	8	10	11	15	19	34	35	38	

2.4. Blast and Vibration Monitoring Parameters and Locations

Appropriate spatial analysis was undertaken to determine which noise sensitive places are closest to the centroid of each blast in each of the Stage 3 Mine's three pits. For further information on the vibration monitoring strategy please refer to the Noise and Vibration Management Plan. Based on the progressive nature of blasting, it is anticipated that the nearest sensitive/commercial place will remain the same for significant periods of time

^{2 *} Noise performance monitoring includes correlated noise compasses based on mining progression.

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(months, if not years). For further information on the vibration and blasting monitoring strategy please refer to the Noise and Vibration Management Plan.

3. Data and Results

Data collected over the course of this Monitoring Period have been summarised and presented in the following sections in comparison to the limits prescribed by the Environmental Authority.

3.1. Meteorological Monitoring

During the monitoring period, weather conditions were monitored to determine the temperature, wind speed and direction, rainfall, and humidity. This data collected from the monitoring station are validated and made available on New Hope Group's <u>Real-Time Mine Noise Results</u> page.

The average conditions for the period are presented in Table 4 below. The weather monitoring station are managed and operated in accordance with AS/NZS 3580:14:2014.

Table 4: Meteorological	Data for	the Mor	nitoring	Period
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Date Range	Monthly Temperature		Monthly Humidity	Monthly Wind Speed		Monthly Direction	Monthly Rainfall
	Min	Max	Average	Min	Max	Average	Total
01/10/23 to 31/10/23	6.7°C	35.4ºC	52.19 %	0.1 m/s	8.2 m/s	138.08°	4.1 mm

3.2. Air Quality Monitoring

New Acland Coal collected real-time dust monitoring and monthly depositional dust data during the Monitoring Period to inform any offsite impacts. This included monitoring for total suspended particles (TSP), fine particulate matter (PM2.5, PM10), and insoluble solids.

A summary of the data has been presented in Table 5. For the entire results please refer to the appendices of this document. A month-to-month summary is also available online, <u>Real-Time Air Quality and Noise Performance Monitoring Data</u> dashboard. Interpretation of compliance is undertaken by comparing the EA nuisance limit to the 24-hour average.

The data has been compared to the relevant Environmental Authority limits to determine compliance and outlined in the Table 5.

3.2.1. Data Validation

Lear Siegler Australasia Pty Ltd performs data validation on behalf of NAC in accordance with the National Environmental Protection (Ambient Air Quality) Measure (AAQ NEPM) Technical Paper No.5: Data Collection and Handling. All data captured during the monitoring period undergoes validation to verify accuracy of the data and invalidate (remove) any data which is deemed inaccurate. A summary of the validated data is provided to NAC at the end of the monthly monitoring period.

Table 5: Compliance air quality monitoring data collected during the Monitoring Period.

Table 5. Compila	ince an e	quality illo	intorning data		ig the Monit	g r criou.
Location	Units	EA Limits (24 hour)	Data points (Count only)	24-hour Average - Monthly Maximum	24-hour Average - Monthly Minimum	24-hour Monthly Average
Total Suspended	Particles	(TSP)				
1, 2 (Acland)	μg/m3	Annual	31	35.35	9.29	18.46
7, 8 (North)	μg/m3	Air	31	41.15	10.14	21.78
38, 39 (West)	μg/m3	Quality	31	41.16	8.65	21.35
35, 36 (West)	μg/m3	Limit –	31	40.23	7.74	17.75
16 (East) Acland- Silverleigh Road	μg/m3	90	31	31.38	2.92	13.70
15 (East)	μg/m3	Nuisance Limit** – 80	31	63.86	11.73	29.71
Particulate Matter	(PM 2.5)					
1, 2 (Acland)	μg/m3	24-hour	31	16.31	2.12	6.60
35, 36 (West)	µg/m3	Avg	31	14.61	2.09	6.09
16 (East) Acland- Silverleigh Road	μg/m3	25	31	14.58	1.43	5.87
Particulate Matter	(PM10)					
1, 2 (Acland)	µg/m3	24-hour	31	31.38	10.39	17.94
7, 8 (North)	μg/m3	Avg	31	30.03	8.77	16.73
38, 39 (West)	µg/m3	50	31	35.83	8.95	19.69
35, 36 (West)	μg/m3		31	32.03	9.29	17.13
16 (East) Acland- Silverleigh Road	µg/m3		31	30.01	9.48	16.34
15 (East)	μg/m3		31	29.82	8.61	17.08
Deposition Dust -	- Insoluble	Solids				
1, 2 (Acland)	mg/m² /day	120	1^			27
7, 8 (North)	mg/m² /day		1^			23
38, 39 (West)	mg/m² /day		1^			20
35, 36 (West)	mg/m² /day		1^			20
16 (East) Acland- Silverleigh Road	mg/m² /day		1^			27
15 (East)	mg/m² /day		1^			17

^{**}Environmental Nuisance under schedule 15 of the Environmental Protection Act 1994 is define as unreasonable interference or likely interference with an environmental value caused by air contaminants, visual conditions, or other ways as prescribed by regulation.

[^] Monitoring period of 30 days has been included as per dust depositional standards, AS/NZS 2850.10.1.2016.

3.3. Noise Performance and Quality Monitoring

New Acland Coal has collated and presented the noise monitoring data that has been collected in accordance with the Environmental Authority, as described in section above. A summary of the data has been presented in the Table 4 for the entire results please refer to the appendices of this document. A month-to-month summary is also available online, on the Real-Time Air Quality and Noise Performance Monitoring Data dashboard. The data has been compared to the relevant EA limits outlined in to determine compliance and outlined in Table 6. Noise limits for NAC mine change based on the hours of operation and are more conservative during night shift (10PM to 7AM), Sundays, and Public Holidays. Please refer to Appendix 5 for further information. If performance or compliance monitoring indicates the potential for exceedance of the relevant EA limits, NAC undertakes a review of the noise source and implement noise abatement measures as required.

3.3.1. Noise Exclusions

NAC's Noise and Vibration Management Plan outlines the process of data exclusions and inclusions based on extraneous noise collected by the compasses. The data shown in Table 4 is all noise data collected by the compasses and includes instances of external noise generation that would have been excluded during usual operations. Common extraneous noise sources include wildlife, weather condition, vehicular movements, and aircraft.

Table 6: Compliance noise monitoring data collected during the Monitoring Period.

Location	Units	EA Limits	Data points (Count only)	Monthly Maximum	Monthly Minimum	Monthly Average
Attended Monitori	ing					
Refer to Appendix	3 – Thir	d-Party Ex	ternal Reports fo	or outcomes of t	he monitoring e	event.
Unattended Monit	oring					
Refer to Appendix	3 – Thir	d-Party Ex	ternal Reports fo	or outcomes of t	he monitoring e	event.
Performance Moni	itoring –	L _{eq} 15 minu	utes (7AM – 6PN	4) *		
Location 1 – Acland	dB	42	540	48.21	22.52	34.77
Location 2 – North	dB		828	40.31	20.64	30.38
Performance Moni	itoring –	L _{eq} 15 minu	utes (6PM – 7AN	И) *		
Location 1 – Acland	dB	35	670	36.95	17.08	28.59
Location 2 – North	dB		915	34.87	11.84	24.62
Performance Moni	itoring –	L _{max} (10 PN	И – 7AM) *			
Location 1 – Acland	dB	50	7785	50.00	21.47	40.82
Location 2 – North	dB		10904	53.14	22.29	36.34

^{*}It is noted that performance noise monitoring is undertaken onsite at the New Acland Mine and is not used to determine compliance with relevant Environmental Authority conditions.

3.3.2. Blast and Vibration Quality Monitoring

During the Monitoring Period, two (2) blasts were undertaken at NAC. All blasting was undertaken from the Manning Vale East pit. The closest sensitive receptor from the blasting locations was identified as the Acland township. The results of each blast have been presented in Table 7.

Table 7: Blast and vibration monitoring data collected during the Monitoring Period

Date	Time	Location	Acland - Airblast Over pressure (dB)	Acland - Ground Vibration Peak Particle Velocity (mm/sec)
Environmenta	al Authority L	imits	115	5
06/10/23	02:30PM	Acland	103.5	2.1
13/10/23	11:00AM	Township	101.7	2.23

^{* &#}x27;Did not trigger (DNT)' applies when the blasting event was not detected on the monitoring device.

4. Compliance Review and Conclusion

During the Monitoring Period there was no recorded noncompliance against the EA limits. Appendix 2 – Environmental Monitoring Data sets out full results for monitoring conducted during the Monitoring Period, including graphical representation.

Previously reported elevated results from August and September 2023 have been resolved, which is demonstrated by NAC's full compliance during the month of October 2023. NAC is committed to the preservation of environmental values and ongoing commitment to compliance with Environmental Authority conditions.

Appendix 1 – Monitoring Locations

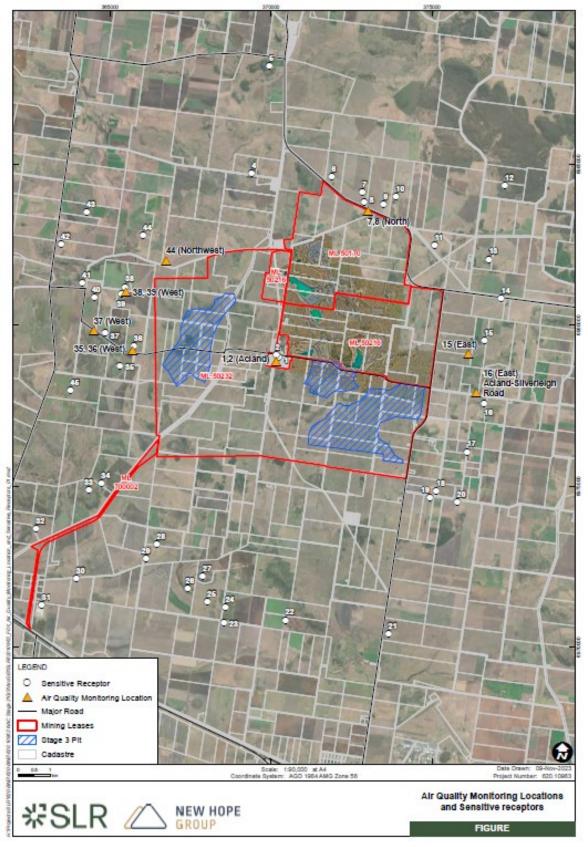


Figure 1: NAC Stage 3 air quality and meteorological monitoring sites

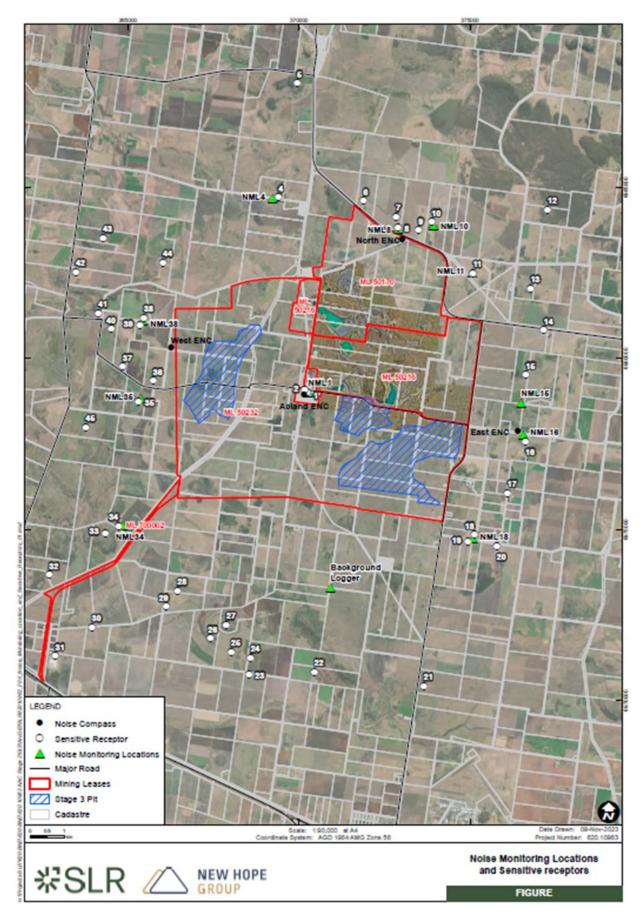


Figure 2: Stage 3 Noise Performance and Compliance Monitoring Locations.

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Appendix 2 – Environmental Monitoring Data

Table 8: New Acland Coal's Air Quality Monitoring for Total Suspended Particles (TSP), PM10, and PM2.5.

Date	1, 2 (Acland) - PM10	1, 2 (Acland) - PM2.5	1, 2 (Acland) - TSP	7, 8 (North) - PM10	7, 8 (North) - TSP	38, 39 (West) - PM2.5	38, 39 (West) - PM10	38, 39 (West) - TSP	35, 36 (West) - PM10	35, 36 (West) - TSP	16 (East) Acland- Silverlei gh Road - PM10	16 (East) Acland- Silverlei gh Road - TSP	16 (East) Acland- Silverlei gh Road - PM2.5	15 (East) - PM10	15 (East) - TSP
01/10/202 3	15.68	4.81	13.36	13.89	16.28	4.77	14.03	14.66	14.2	12.68	12.1	10.77	4.2	11.8	17.57
02/10/202 3	14.68	4.24	12.79	12.53	14.29	3.67	11.9	12.34	12.4	11.37	12.91	11.14	4.03	23.71	56.35
03/10/202 3	23.48	4.71	24.01	17.09	18.58	3.98	13.36	13.07	13.15	11.71	15.49	13.69	4.64	27.51	63.86
04/10/202 3	20.24	5.25	16.06	17.21	21.33	4.52	17.4	18.69	15.64	13.94	16.21	14.34	3.97	15.48	25.11
05/10/202 3	12.79	4.07	10.97	13.31	19.92	3.27	14.9	16.19	15.32	14.14	14.72	13.26	4.56	14.41	24.97
06/10/202 3	16.18	4.65	14.47	16.67	20.32	4.91	14.77	16.47	14.46	13.52	14.21	12.61	3.72	13.88	21.4
07/10/202 3	11.44	3.19	9.64	9.38	10.57	2.77	9.9	9.73	9.83	8.25	9.69	8.47	1.43	9.28	12.98
08/10/202 3	11.06	2.12	9.37	8.77	10.14	2.47	8.95	8.65	9.29	7.74	9.74	8.27	1.82	8.61	11.73
09/10/202 3	10.39	2.17	9.29	8.91	11	2.09	9.02	9.75	9.31	8	9.48	8.37	2.41	9.95	16.17
10/10/202 3	11.29	3.97	10.08	10.95	14.51	<samp< td=""><td>10.69</td><td>11.86</td><td>10.52</td><td>10.47</td><td>10.87</td><td>10.14</td><td>3.6</td><td>10.9</td><td>17.43</td></samp<>	10.69	11.86	10.52	10.47	10.87	10.14	3.6	10.9	17.43
11/10/202 3	13.75	2.84	12.88	14.2	20.12	NoData	12.5	14.41	11.68	11.49	12.98	11.72	3.79	12.48	21.61
12/10/202 3	14.75	6.31	14.57	13.11	17.95	NoData	16.49	19.15	14.73	14.18	13.85	4.76	5.27	13.29	24.12

Date	1, 2 (Acland) - PM10	1, 2 (Acland) - PM2.5	1, 2 (Acland) - TSP	7, 8 (North) - PM10	7, 8 (North) - TSP	38, 39 (West) - PM2.5	38, 39 (West) - PM10	38, 39 (West) - TSP	35, 36 (West) - PM10	35, 36 (West) - TSP	16 (East) Acland- Silverlei gh Road - PM10	16 (East) Acland- Silverlei gh Road - TSP	16 (East) Acland- Silverlei gh Road - PM2.5	15 (East) - PM10	15 (East) - TSP
13/10/202 3	14.8	3.05	13.54	14.99	21.97	NoData	18.98	22.67	14.85	15.23	16.47	2.92	6.03	16.84	29.87
14/10/202 3	18.61	8.06	17.5	17.59	22.39	NoData	19.43	24.03	16.84	16.11	18.24	3.71	6.03	16.38	27.59
15/10/202 3	15.51	6.42	14.28	16.83	22.86	NoData	20.75	28.26	14.5	14.02	14.26	3.57	4.91	14.03	26.78
16/10/202 3	27.67	12.81	24.36	24.77	32.87	<samp< td=""><td><samp< td=""><td><samp< td=""><td>27.12</td><td>27.26</td><td>25.74</td><td>4.47</td><td>11.8</td><td>27.85</td><td>52.26</td></samp<></td></samp<></td></samp<>	<samp< td=""><td><samp< td=""><td>27.12</td><td>27.26</td><td>25.74</td><td>4.47</td><td>11.8</td><td>27.85</td><td>52.26</td></samp<></td></samp<>	<samp< td=""><td>27.12</td><td>27.26</td><td>25.74</td><td>4.47</td><td>11.8</td><td>27.85</td><td>52.26</td></samp<>	27.12	27.26	25.74	4.47	11.8	27.85	52.26
17/10/202 3	<samp< td=""><td><samp< td=""><td><samp< td=""><td>25.55</td><td>36.23</td><td>6.95</td><td>35.1</td><td>38.98</td><td>24.59</td><td>20.4</td><td><samp< td=""><td><samp< td=""><td><samp< td=""><td>24.48</td><td>43.45</td></samp<></td></samp<></td></samp<></td></samp<></td></samp<></td></samp<>	<samp< td=""><td><samp< td=""><td>25.55</td><td>36.23</td><td>6.95</td><td>35.1</td><td>38.98</td><td>24.59</td><td>20.4</td><td><samp< td=""><td><samp< td=""><td><samp< td=""><td>24.48</td><td>43.45</td></samp<></td></samp<></td></samp<></td></samp<></td></samp<>	<samp< td=""><td>25.55</td><td>36.23</td><td>6.95</td><td>35.1</td><td>38.98</td><td>24.59</td><td>20.4</td><td><samp< td=""><td><samp< td=""><td><samp< td=""><td>24.48</td><td>43.45</td></samp<></td></samp<></td></samp<></td></samp<>	25.55	36.23	6.95	35.1	38.98	24.59	20.4	<samp< td=""><td><samp< td=""><td><samp< td=""><td>24.48</td><td>43.45</td></samp<></td></samp<></td></samp<>	<samp< td=""><td><samp< td=""><td>24.48</td><td>43.45</td></samp<></td></samp<>	<samp< td=""><td>24.48</td><td>43.45</td></samp<>	24.48	43.45
18/10/202 3	23.75	12.56	22.19	20.32	22.79	<samp< td=""><td>24.43</td><td>20.91</td><td>23.97</td><td>19.33</td><td><samp< td=""><td><samp< td=""><td><samp< td=""><td>22.06</td><td>28.86</td></samp<></td></samp<></td></samp<></td></samp<>	24.43	20.91	23.97	19.33	<samp< td=""><td><samp< td=""><td><samp< td=""><td>22.06</td><td>28.86</td></samp<></td></samp<></td></samp<>	<samp< td=""><td><samp< td=""><td>22.06</td><td>28.86</td></samp<></td></samp<>	<samp< td=""><td>22.06</td><td>28.86</td></samp<>	22.06	28.86
19/10/202 3	16.05	4.16	21.45	12.21	15.39	<samp< td=""><td>15.69</td><td>15.53</td><td>16.36</td><td>12.41</td><td>14.39</td><td>15.1</td><td>5.34</td><td>12.64</td><td>19.35</td></samp<>	15.69	15.53	16.36	12.41	14.39	15.1	5.34	12.64	19.35
20/10/202 3	14.15	4.41	18.08	11.24	13.09	3.98	15.79	15.85	13.14	12.55	12.56	13.76	2.8	11.74	18.48
21/10/202 3	13.35	4.17	16.39	11.35	14.72	3.96	13.64	12.93	11.27	12.74	11.73	12.73	3.67	11.18	17.34
22/10/202 3	19.91	7.03	21.41	17.28	23.53	8.08	33.53	36.73	19.62	23.51	17.88	18.82	6.09	17.23	29.86
23/10/202 3	28.3	13.24	31.41	27.63	37.55	11.15	34.05	36.44	26.35	32.58	27.76	27.94	10.86	26.42	45.18
24/10/202 3	22.94	10.13	26.16	21.29	28.28	8.15	35.83	41.16	22.12	26.29	20.62	20.94	8.26	20.21	32.62
25/10/202 3	22.37	8.38	24.68	20.52	28.73	8.16	25.09	26.54	22.16	26.89	18.47	19.1	6.27	18.72	32.29
26/10/202 3	27.09	10.02	33.1	28.96	41.15	8.62	34.04	37.24	28.71	37	29.42	31.38	11.43	28.13	54.37

NEW HOPE GROUP

Date	1, 2 (Acland) - PM10	1, 2 (Acland) - PM2.5	1, 2 (Acland) - TSP	7, 8 (North) - PM10	7, 8 (North) - TSP	38, 39 (West) - PM2.5	38, 39 (West) - PM10	38, 39 (West) - TSP	35, 36 (West) - PM10	35, 36 (West) - TSP	16 (East) Acland- Silverlei gh Road - PM10	16 (East) Acland- Silverlei gh Road - TSP	16 (East) Acland- Silverlei gh Road - PM2.5	15 (East) - PM10	15 (East) - TSP
27/10/202 3	15.33	4.41	19.64	15.42	23.81	5.68	28.89	35.93	17.61	21.61	16.59	17.63	5.67	14.85	27.58
28/10/202 3	10.85	3.14	12.73	9.94	11.54	2.79	9.87	9.75	10.32	10.73	10.61	10.5	3.24	9.52	13.07
29/10/202 3	13.98	6.16	16.09	12.24	14.96	6.43	13.14	12.69	13.38	14.86	12.44	12.1	5.6	11.76	16.91
30/10/202 3	26.38	15.25	27.82	24.36	29.41	14.61	26.5	25.9	25.63	29.08	24.4	23.91	14.4	24.25	38.09
31/10/202 3	31.38	16.31	35.35	30.03	39.04	13.09	31.92	34.07	32.03	40.23	30.01	31.1	14.58	29.82	53.72

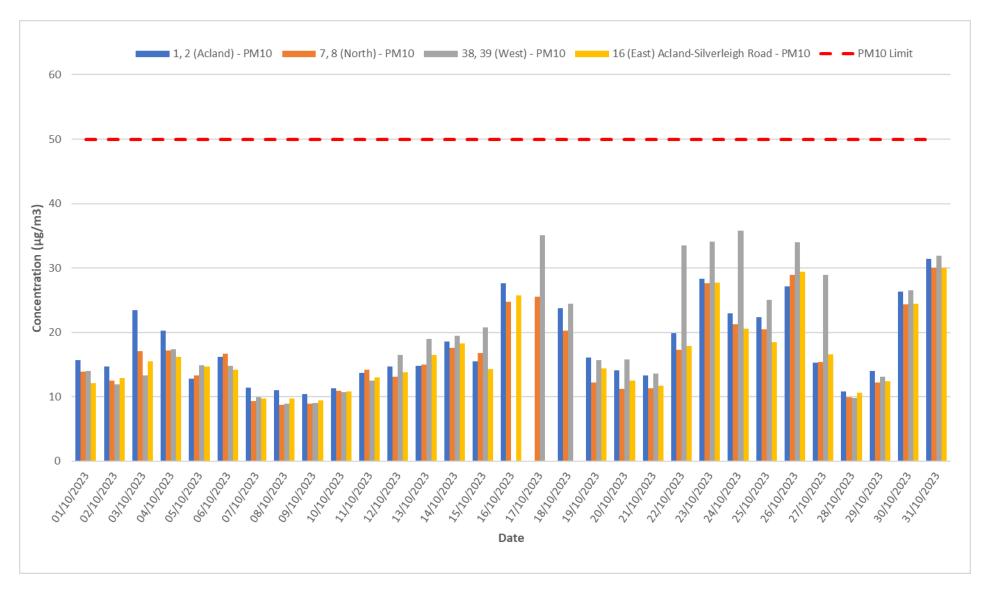


Figure 3: Daily PM10 values for New Acland Coal

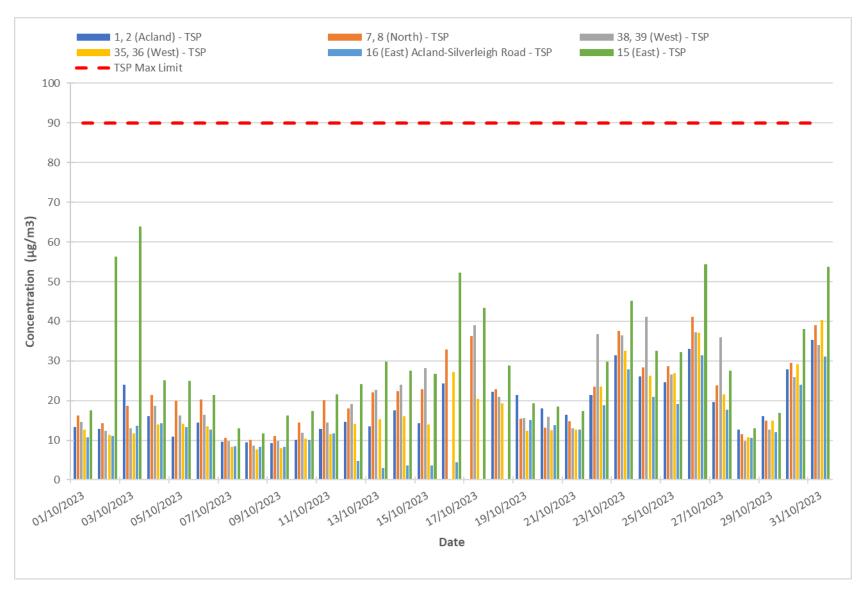


Figure 4: Daily TSP values for New Acland Coal

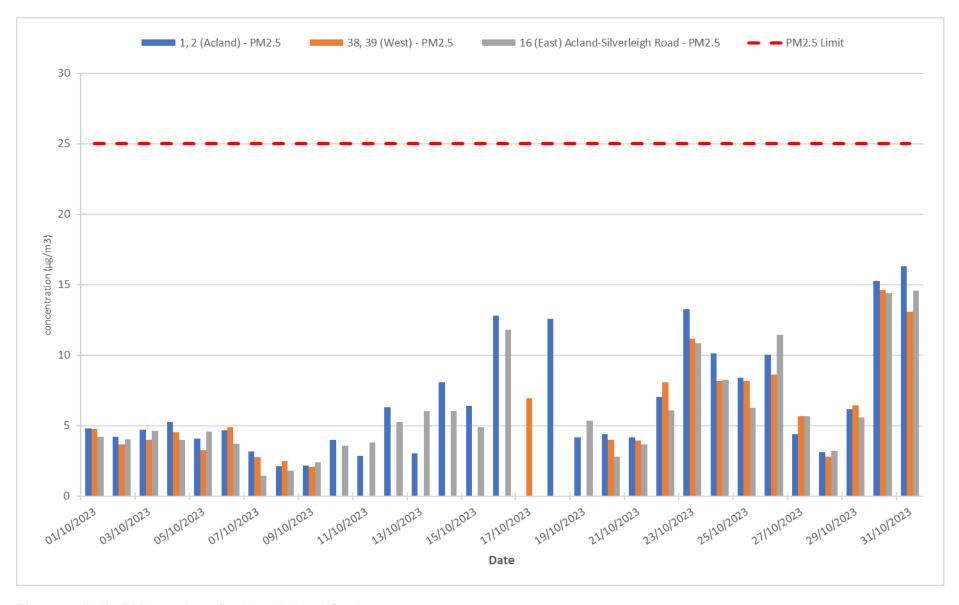


Figure 5: Daily PM2.5 values for New Acland Coal

Table 9: NAC Noise Compass Data L_{eq} (dB) for Acland and Northern Compasses

		Location	n 1 - Acland	d		Location	2 - North	
Date	Cou nt	Max	Min	Averag e	Count	Max	Min	Averag e
01/10/2023	41	40.22	21.09	29.63	68.00	33.44	15.66	25.93
02/10/2023	42	40.95	17.84	30.67	68.00	36.80	13.56	25.16
03/10/2023	16	40.31	17.08	25.64	44.00	36.48	11.94	26.57
04/10/2023	3	32.05	27.79	30.07	4.00	36.18	29.63	32.24
05/10/2023	52	34.78	21.91	30.91	72.00	36.06	18.03	29.96
06/10/2023	53	40.56	20.60	30.27	76.00	34.08	17.42	27.53
07/10/2023	26	41.67	28.73	37.97	50.00	36.68	18.49	29.71
08/10/2023	36	41.82	27.51	35.75	58.00	38.24	14.96	28.76
09/10/2023	33	41.91	21.42	35.19	64.00	36.95	15.64	29.14
10/10/2023	76	48.21	21.54	30.55	27.00	32.76	13.58	24.37
11/10/2023	39	39.39	17.50	29.17	13.00	31.68	16.48	25.04
12/10/2023	40	34.37	20.79	29.41	60.00	35.82	11.84	27.69
13/10/2023	11	37.15	26.69	31.09	36.00	35.90	12.14	26.43
14/10/2023	55	40.26	22.18	31.04	84.00	32.90	14.36	24.70
15/10/2023	53	37.46	18.11	29.43	76.00	32.93	19.42	25.95
16/10/2023	27	32.19	22.58	26.51	36.00	37.82	15.18	26.89
17/10/2023	36	38.47	21.79	31.66	62.00	34.29	19.80	28.30
18/10/2023	17	42.00	27.91	37.67	49.00	39.70	19.60	30.62
19/10/2023	31	40.99	30.40	36.46	50.00	40.31	26.37	31.15
20/10/2023	63	41.68	21.88	33.83	78.00	37.45	16.94	27.98
21/10/2023	66	40.23	21.37	31.23	88.00	36.28	17.99	27.00
22/10/2023	53	40.83	22.47	30.70	55.00	36.38	15.36	26.48
23/10/2023	50	39.85	20.33	29.91	59.00	37.02	12.17	25.70
24/10/2023	47	40.61	24.98	31.73	72.00	38.65	14.82	28.66
25/10/2023	37	39.13	23.56	31.05	59.00	34.50	12.95	28.30
26/10/2023	42	35.64	24.12	30.00	57.00	36.31	14.48	27.13
27/10/2023	32	37.30	20.36	28.70	57.00	35.18	18.73	26.90
28/10/2023	24	40.82	28.11	31.88	57.00	36.80	17.21	26.81
29/10/2023	53	41.17	26.82	34.16	79.00	35.36	17.33	27.35
30/10/2023	43	36.88	24.60	31.04	65.00	34.59	13.95	26.90
31/10/2023	13	32.25	19.57	28.34	20.00	35.58	13.29	22.02

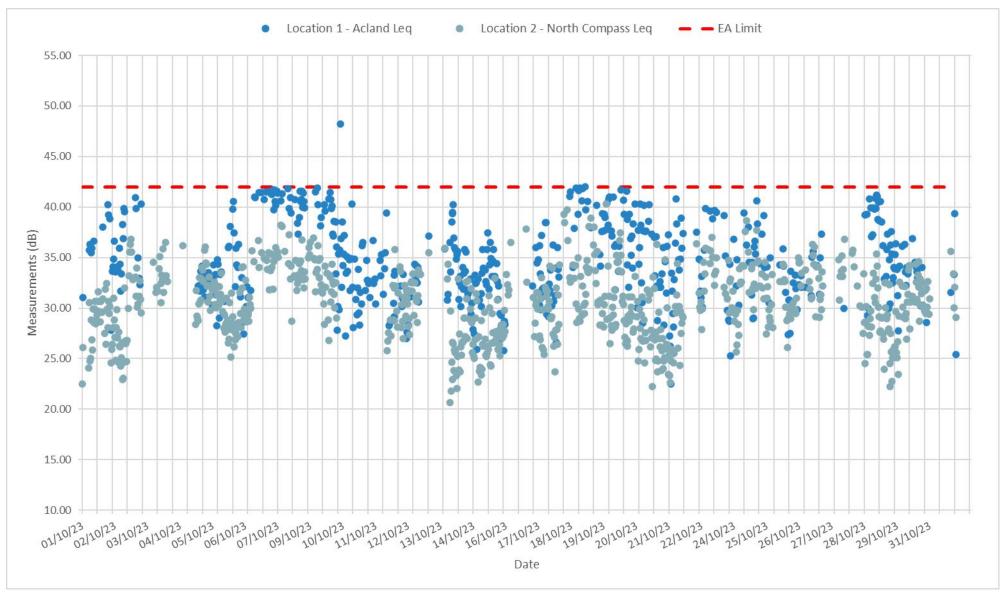


Figure 6: Performance Noise Measurements (7 AM to 6 PM) for New Acland Coal during the Monitoring Period

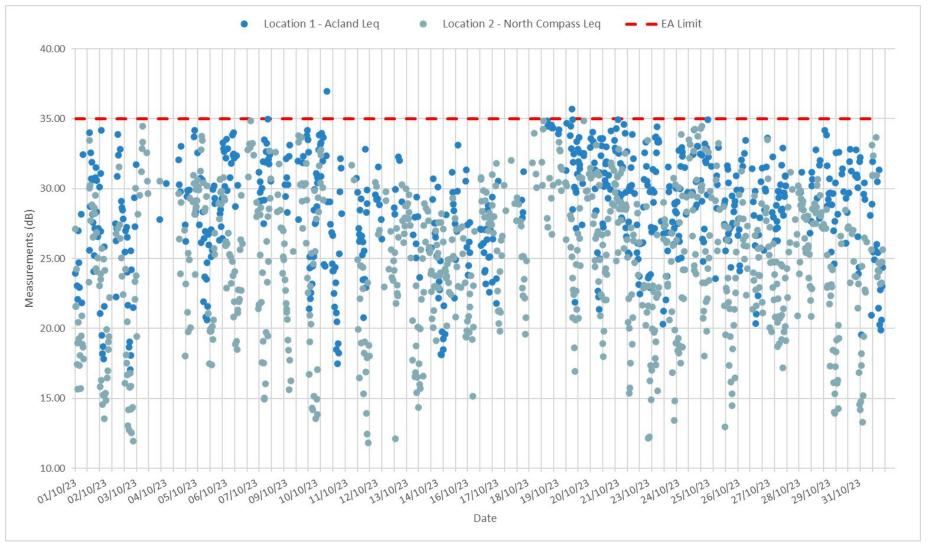


Figure 7: Performance Noise Measurements (6PM to 7AM) for New Acland Coal during the Monitoring Period

Table 10: L_{AMax} Noise monitoring data collected during the Monitoring Period

Data		Location 2	L -Acland		Location 2 - North					
Date	Count	Max	Min	Average	Count	Max	Min	Average		
01/10/2023	329	49.96	23.96	36.83	375	49.92	24.53	33.10		
02/10/2023	157	49.86	25.17	41.98	360	49.72	23.00	30.32		
03/10/2023	224	49.98	24.94	37.51	274	49.90	23.42	29.97		
04/10/2023	44	49.57	36.46	45.92	69	49.50	38.92	45.03		
05/10/2023	262	50.00	22.00	37.89	324	49.97	25.24	36.67		
06/10/2023	360	49.97	21.86	34.54	385	49.97	24.73	34.80		
07/10/2023	224	49.09	30.04	38.31	382	49.69	24.91	37.50		
08/10/2023	239	49.93	26.70	40.29	406	49.89	23.90	36.02		
09/10/2023	310	49.50	25.75	39.20	386	49.96	25.06	35.90		
10/10/2023	361	49.99	23.66	39.67	266	49.80	23.48	29.71		
11/10/2023	308	49.99	33.16	42.75	106	44.91	27.52	33.31		
12/10/2023	282	49.86	28.47	44.46	377	50.00	22.73	34.19		
13/10/2023	189	49.92	22.20	39.88	378	49.85	22.90	36.83		
14/10/2023	327	49.97	21.47	34.28	411	49.95	22.29	29.28		
15/10/2023	279	50.00	22.26	39.36	428	53.14	22.95	33.91		
16/10/2023	276	49.88	38.60	44.33	385	49.42	24.64	35.78		
17/10/2023	168	49.96	27.40	42.30	378	49.90	22.42	34.67		
18/10/2023	246	49.86	27.32	42.45	330	49.98	27.11	40.27		
19/10/2023	296	49.91	35.38	43.28	363	49.84	32.19	41.22		
20/10/2023	353	49.95	32.01	43.03	385	49.93	24.68	36.01		
21/10/2023	300	49.90	35.56	44.10	395	49.94	27.86	39.35		
22/10/2023	236	49.96	38.30	46.32	387	49.97	27.20	40.24		
23/10/2023	91	50.00	45.00	48.41	391	49.98	32.48	38.71		
24/10/2023	129	49.97	41.98	48.01	307	49.85	34.62	40.83		
25/10/2023	35	49.99	45.27	48.32	365	49.93	33.85	41.90		
26/10/2023	120	49.95	33.34	43.87	370	49.99	31.22	42.07		
27/10/2023	378	49.90	22.34	37.55	395	49.97	23.52	34.37		
28/10/2023	330	49.82	24.74	38.57	380	49.98	24.04	35.51		
29/10/2023	311	49.97	27.32	40.86	386	49.91	28.99	38.88		
30/10/2023	308	49.98	24.76	41.54	381	49.93	23.83	35.10		
31/10/2023	313	49.99	27.95	45.55	378	49.93	25.78	38.72		

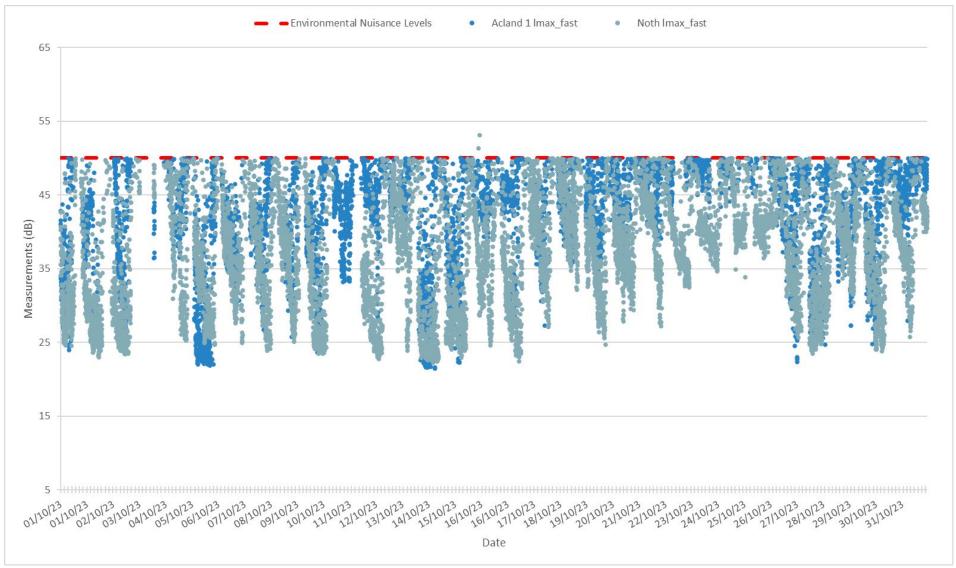
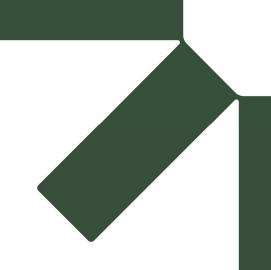


Figure 8: Performance Noise Measurements (Lmax, 10PM to 6AM) for New Acland Coal

Appendix 3 – Third-Party External Reports





New Acland Coal – Stage 3 Noise Survey October 2023

New Acland Coal Pty Ltd

Muldu Road Acland QLD 4401

Prepared by:

SLR Consulting Australia Pty Ltd

Level 16, 175 Eagle Street, Brisbane, QLD, Australia, 4000

SLR Project No.: 620.10963.01007

1 December 2023

Revision: 1.0

1 December 2023 SLR Project No.: 620.10963.01007

Revision Record

Revision	Date	Prepared By	Checked By	Authorised By
1.0	1 December 2023	Brendan Hansen	Glyn Cowie	Glyn Cowie
0.1	17 November 2023	Brendan Hansen	Glyn Cowie	

Basis of Report

This report has been prepared by SLR Consulting Australia Pty Ltd (SLR) with all reasonable skill, care and diligence, and taking account of the timescale and resources allocated to it by agreement with New Acland Coal Pty Ltd (the Client). Information reported herein is based on the interpretation of data collected, which has been accepted in good faith as being accurate and valid.

This report is for the exclusive use of the Client. No warranties or guarantees are expressed or should be inferred by any third parties. This report may not be relied upon by other parties without written consent from SLR.

SLR disclaims any responsibility to the Client and others in respect of any matters outside the agreed scope of the work.

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Executive Summary

SLR Consulting Australia Pty Ltd (SLR) was engaged by New Acland Coal Pty Ltd (NAC) to conduct monthly noise monitoring and assessment for the New Acland Coal Mine (NAC mine) during the 12-month period of May 2023 to April 2024 to satisfy Conditions F4, F6 and Table F2 of the NAC Environmental Authority (EA) EPML00335713 dated 14 November 2022, and Section 6 of the Department of Environment and Science (DES) approved NAC *Noise and Vibration Management Plan.* This report presents the noise monitoring results for October 2023 ('the October 2023 monitoring period').

In undertaking this noise survey during the month of October 2023, the following points are noted and provide context to the overall noise survey, analysis and assessment:

- For the monitoring period between 5 to 12 and 17 to 25 October 2023 (inclusive), NAC operations occurred 24-hours a day, Monday to Sunday. This covers the full day, evening and night-time periods which forms the basis for this analysis and assessment of the monitoring locations.
- Coal mining operation commenced in October 2023, with the coal handling and preparation
 plant (CHPP) typically operating Monday to Friday (or weekends as required) during the
 hours of 7:30 am to 5:30 pm. The operations of the CHPP was dependent on coal
 availability.
- The NAC rail spur is yet to be constructed, therefore an assessment against rail noise limits is not applicable.
- Weather conditions in the October 2023 monitoring period were characterised by elevated wind speeds similar to those experienced during the September monitoring periods.

For this October 2023 monitoring period, noise monitoring was undertaken between 5 to 12 and 18 to 25 October 2023 (inclusive) at the locations detailed in the EA *Table F2 Compliance noise monitoring locations and frequency* and *Figure F1 – Noise monitoring locations and sensitive places.*

Initially all monitoring was conducted during the period of 5 to 12 October 2023 inclusive, however due to incomplete monitoring data at NML18 and NML34 during this initial monitoring period, the unattended noise monitoring equipment was redeployed at these two (2) locations with revised monitoring dates noted below.

In accordance with Table F2 of the EA, analysis was undertaken on seven (7) selected days which, where possible, included days where there were adverse weather conditions (ie temperature inversions, and/or light source to receiver wind directions) and/or normal to peak mine operations. The dates below represent the start of each assessed daily period:

- NML 1 5 to 6 and 8 to 12 October 2023, assessment period being 24-hours starting 10:00 pm prior to each of these days.
- NML 4, NML 10, NML 15, NML 16, NML 18, NML 34 and NML 35 5 to 11 October 2023, assessment period being 24-hours starting 10:00 pm prior to each of these days.
- NML 8 6 to 12 October 2023, assessment period being 24-hours starting 10:00 pm prior to each of these days.
- NML 11 and NML34 18 to 25 October 2023, assessment period being 24-hours starting 10:00 pm prior to each of these days.

A visual 'traffic light' summary of the attended and unattended noise monitoring completed in the October 2023 monitoring period are presented in Table E1, where:

- O an unshaded symbol indicates NAC was not operating during this period. Therefore an assessment against the EA noise conditions was not required,
- grey indicates NAC mine noise was undetectable while the mine was operational,



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- green indicates detected NAC mine noise measurements achieved the relevant time period noise limit/s,
- orange indicates marginal exceedances of the relevant time period noise limit/s (marginal being an acoustically negligible exceedance of 1 or 2 dBA), and
- red indicates an exceedance greater than 2 dBA of the relevant time period noise limit/s.

Where NAC mine attributable noise could not be detected in the unattended noise monitoring data, it has been concluded that at times, ambient noise sources likely masked contributions from NAC mine preventing further detection.

As required by Condition F6 of the EA, noise monitoring was completed at a representative Background Location during this assessment. A review of the unattended noise monitoring data indicated Rating Background Levels (RBLs) typical of a rural environment with ambient noise sources such as bird song, wind noise, aircraft noise (from Oakey Air Base and small light aircraft) and distant road traffic noise being the predominant sources. Increased insect noise was noted in October compared to previous months, hence some periods were filtered to remove the contribution of insects in the background noise data. No periods were considered to have NAC mine attributable noise audible and/or measurable.

A detailed summary of results and findings for the unattended and attended noise monitoring during the October 2023 monitoring period is presented further within this report.



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Table E1 Summary of October 2023 NAC Mine Noise Monitoring Results

Noise Monitoring		Unattended Results		Attended Results					
Location	Day	Evening	Night	Day	Evening	Night			
EA EPML00335713 noise limit	42 dBA LAeq,15min, adj.	35 dBA LAeq,15min, adj.	35 dBA LAeq,15min, adj. 50 dBA LAmax	42 dBA LAeq,15min, adj.	35 dBA LAeq,15min, adj.	35 dBA LAeq,15min, adj. 50 dBA LAmax			
NML1	Measured up to 39 dBA LAeq,15min, adj.	Measured up to 33 dBA LAeq,15min, adj.	Measured up to 33 dBA LAeq,15min, adj., no LAmax mine events >50 dBA	Not detected	Not detected	Not detected			
NML4	Not detected	Measured up to 32 dBA LAeq,15min, adj.	Measured up to 32 dBA LAeq,15min, adj., no LAmax mine events >50 dBA	Not detected	Not detected	Measured up to 30 dBA LAeq,15min, adj., no LAmax mine events >50 dBA			
NML8	Not detected	Rarely detected	Measured up to 35 dBA LAeq,15min, adj., no LAmax mine events >50 dBA	Not detected	Not detected	Measured up to 35 dBA Laeq,15min, adj., no Lamax mine events >50 dBA			
NML10	Not detected	Rarely detected	Measured up to 30 dBA LAeq,15min, adj., no LAmax mine events >50 dBA	Not detected	Not detected	Measured up to 30 dBA Laeq,15min, adj., no LAmax mine events >50 dBA			
NML11	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected			
NML15	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected			
NML16	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected			
NML18	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected			
NML34	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected			
NML35	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected			
NML38	Not detected	Not detected	Not detected	Not detected	Not detected	Not detected			

Day: 7:00 am to 6:00 pm / Evening: 6:00 pm to 10:00 pm / Night: 10:00 pm to 7:00 am



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	NAC Mine Operations Supporting Documents – October 2023
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Appendix D	Attended Noise Monitoring Summary
Appendix E	Unattended Noise Monitoring Summary



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Acronyms and Abbreviations

dBA	Decibels, A-weighted				
СНРР	Coal handling and preparation plant				
Daytime	The time period of 7:00 am to 6:00 pm				
DES	Department of Environment and Science				
EA	Environmental Authority				
Evening	The time period of 6:00 pm to 10:00 pm				
ML	Mine lease				
NAC	New Acland Coal				
Night-time	The time period of 10:00 pm to 7:00 am				
NML	Noise monitoring location				
NMM	DES Noise Measurement Manual (2020)				
NVMP	Noise and Vibration Management Plan				
RBL	Rating Background Level				
RoM	Run-of-Mine				
RTN	Road traffic noise				



1.0 Introduction

The New Acland Coal (NAC) mine is located to the northeast of Acland in Queensland and is operated by NAC. The current mining activities consist of overburden and topsoil removal in Manning Vale East pit and rehabilitation of Stage 2 areas (Centre, South, and West pits), and drilling for blast preparations in Manning Vale East. Limited coal mining operation commenced in October 2023, with export coal being transported by road haul trucks along Jondaryan-Muldu Road to a coal stock yard southeast of Jondaryan adjacent to the Warrego Highway. Export coal is loaded onto trains, at the Jondaryan Rail Loadout Facility (JRLF), to transport to Port of Brisbane. Although this month marks the recommencement of export coal operations at the JRLF, movement of export coal remains via road haul trucks along Jondaryan-Muldu Road, and the NAC rail spur is yet to be constructed. Therefore, no noise associated with rail corridors has been assessed in this report.

The NAC mine is operated under Environmental Authority (EA) EPML00335713 dated 14 November 2022. The noise levels in Schedule F – Table F1 of the EA apply at noise sensitive receptors and vary depending on the daytime, evening and night-time periods.

This report details environmental noise levels measured during the month of October 2023 to satisfy Conditions F4, F6 and Table F2 of the EA EPML00335713, and Section 6 of the DES approved NAC *Noise and Vibration Management Plan* (reference '20221125_NAC03 – Noise and Vibration Management Plan-Ver-01', dated 27 April 2023, referred to herein as the NVMP). Where measured noise levels have been determined to be attributable to NAC mining activities, those noise levels have been assessed against the noise levels prescribed in the EA.

In undertaking this noise survey during the month of October 2023, the following points are noted and provide context to the overall noise survey, analysis and assessment:

- For the monitoring period between 5 to 12 and 18 to 25 October 2023 (inclusive), NAC operations occurred 24-hours a day, Monday to Sunday. This covers the full day, evening and night-time periods which forms the basis for this analysis and assessment of the monitoring locations.
- Coal mining operation commenced in October 2023, with the coal handling and preparation
 plant (CHPP) typically operating Monday to Friday (or weekends as required) during the
 hours of 7:30 am to 5:30 pm. The operations of the CHPP was dependent on coal
 availability.
- The NAC rail spur is yet to be constructed, therefore an assessment against rail noise limits is not applicable.
- Weather conditions in the October 2023 monitoring period were characterised by elevated wind speeds similar to those experienced during the September monitoring period.

The term 'noise' is commonly understood as unwanted sound but commonly used when discussing all sound within our environment. In this report, the term 'noise' refers to all sound pressure levels irrespective of whether it would be defined as 'unwanted'. The report uses specialist acoustic terminology and an explanation of common terms is provided in Appendix A.



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EA EPML00335713 and NVMP Requirements 2.0

2.1 **EA Noise Limits**

Schedule F of NAC EA EPML00335713 contains noise¹ conditions relevant to mining operations occurring within the mining leases referenced under the EA. The EA noise conditions relevant to this monitoring and assessment are reproduced below (either in full, or in-part as noted).

F1: The environmental authority holder must ensure that noise generated by the mining activities does not cause the criteria in Table F1 – Noise Limits (includes construction activities) [Table 1] to be exceeded at a noise sensitive place.

The measurement of noise for a noise sensitive place is either:

- a) At that place (if measured there); or
- b) At the monitoring location to which the noise sensitive place is correlated (where there is not measure at the noise sensitive place).

Table 1 Table F1: Noise Limits (includes construction activities)

Noise level dBA measured as	All days			
	7:00 am – 6:00 pm	6:00 pm - 10:00 pm	10:00 pm – 7:00 am	
	Noise measured at a 'Noise sensitive place'			
LAeq, adj, 15min ¹	42	35	35	
LAmax	-	-	50	
LAmax rail spur ²	-	-	56	
LAeq(24hour) rail spur ²	-	-	50	
NOTE:				

1 All noise other than that which is distinguishable as train noise

2 Only for noise distinguishable as train noise

A Noise Monitoring Program must be developed by a suitably qualified and experienced person in relation to noise and implemented for all stages of mining to monitor compliance with Table F1 - Noise limits (includes construction noise) [Table 1] at the frequency and locations in Table F2 – Compliance noise monitoring locations and frequency and shown in Figure F1 – Noise monitoring locations and sensitive places [Figure 1].

The Noise Monitoring Program must include a figure which identifies noise monitoring locations and sensitive places. [Figure 1]

[The remaining part of Condition F4 is not directly applicable to this monitoring and assessment]

- F6: Compliance noise monitoring and recording required by conditions F4, F5, F6, F7 and F8 must be conducted in accordance with the administering authority's Noise Measurement Manual and include the following:
 - a) LA01, adj, 15 min day, evening & night; LA10, adj, 15 min day, evening & night; LAeq, adj, 15 min - day, evening & night and LA90, adj, 15 min - day, evening & night;
 - b) background noise LA90;

¹ Schedule F also contains conditions related to blasting, however these are not applicable to this monitoring and assessment.



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- c) the level and frequency of occurrence of impulsive or tonal noise and any adjustment and penalties to statistical levels;
- d) atmospheric conditions including temperature, relative humidity and wind speed and directions;
- e) effects due to any extraneous factors such as traffic noise and natural sources (e.g. insects, birds and wind);
- f) location, date and time of monitoring;
- g) if a complaint concerns low frequency noise and where permitted by the owner or occupier of the noise sensitive place: LLINeq 10 min (internal), LAeq 10 min (internal) and one third octave band measurements in LLINeq 10 min (internal) for centre frequencies in the 10 200 Hz range;
- h) maximum (LAmax) noise levels night (for a minimum of 30 min); and
- i) 1/3 octave band spectrums

Table 2 Table F2 – Compliance noise monitoring locations and frequency

Monitoring Locations	Frequency
1 (Acland)	Monthly
34 (rail spur), 35 and 38 (or alternative noise sensitive places identified in the Noise Monitoring Program developed pursuant to condition F4, F5, F6, F7 and F8)	Monthly
4, 8 and 10 (or alternative noise sensitive places identified in the Noise Monitoring Program developed pursuant to condition F4, F5, F6, F7 and F8)	Monthly
11, 15, 16 (if occupied) and 19 (or alternative noise sensitive places identified in the Noise Monitoring Program developed pursuant to condition F4, F5, F6, F7 and F8)	Monthly
Seven (7) days unattended monitoring at the above noise sensitive places or alternate locations identified in the Noise Monitoring Program developed pursuant to condition F4.	Monthly for the first 12 months

Note: Monitoring locations are presented on Figure 1.

2.2 NVMP Requirements

Section 3.2 'Detailed Description of the Noise Management System' from the NVMP states the following relevant details to this assessment and reporting:

Monthly Compliance Noise Monitoring – In accordance with EA Conditions F4, F6 and F12, NAC will undertake monthly compliance noise measurements at the nominated residential locations contained in Table F2 of the EA.

This monthly compliance monitoring is additional to the continuous performance monitoring and is to be undertaken as a series of short-term, operator attended noise measurements by an appropriately qualified acoustic consultant.

Section 6 provides a detailed description of the monthly noise compliance monitoring methodology for the Stage 3 Mine.

Section 7 contains the protocol that NAC will employ throughout the life of the Stage 3 Mine's operations to determine exceedances of the EA noise limits.

Section 6 'Monthly Compliance Noise Monitoring, Assessment and Reporting' of the NVMP states the following relevant details to this assessment and reporting:

6.1. Compliance Monitoring Locations and Frequency

In accordance with EA Condition F12 and Table F2 – Compliance Noise Monitoring Locations and Frequency, the monthly compliance noise monitoring will be undertaken at the locations stated in Table 6-1 [Table 3].



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Table 3 Table 6-1: Compliance Monitoring Locations for the Stage 3 Mine.

Monitoring Locations	Frequency
1 (Acland)	Monthly
34 (rail spur), 35 and 38 (or alternative noise sensitive places identified in the Noise Monitoring Program developed pursuant to EA Condition F4)	Monthly
4, 8 and 10 (or alternative noise sensitive places identified in the Noise Monitoring Program developed pursuant to EA Condition F4)	Monthly
11, 15 and 19 (or alternative noise sensitive places identified in the Noise Monitoring Program developed pursuant to EA Condition F4)	Monthly
Seven (7) days unattended monitoring at the above noise sensitive places or alternate locations identified in the Noise Monitoring Program developed pursuant to condition F4.	Monthly for the first 12 months

The relevance of the noise monitoring locations outlined in Table 6-1 [Table 3] will be reviewed on an annual basis. If any changes to the noise monitoring locations are required, a brief report/memorandum will be produced and submitted to DES for their review and approval prior to any changes to the Noise Monitoring Program being implemented.

6.2. Compliance Monitoring Equipment and Methodology

The compliance noise monitoring methodology and reporting will be undertaken as follows (subject to the review comments/feedback from the independent acoustic consultant appointed to review the compliance noise monitoring for the first 12 months of the Stage 3 Mine).

- Noise measurements will be undertaken by an appropriately qualified acoustic consultant.
- On a monthly basis, a minimum of three (3) 15-minute operator-attended noise measurements will be undertaken in a random order across all ten (10) locations stated in Table 6-1 [Table 3].
- All attended measurements will ideally be undertaken within 50m of the residence (but not closer than 3.5m). However, if (a) access is not obtainable to enter the property or (b) domestic noise sources (e.g. air-conditioning, barking dogs, etc.) prevent measurements being undertaken close to each residence, then measurements must be undertaken as close as practically possible to the residence to allow a judgement/calculation to be made as to what the corresponding noise levels would have been at the residence.
- Ideally one (1) measurement will be taken during each of the day (7am to 6pm), evening (6pm to 10pm) and night (10pm to 7am) periods. However, if mining operations are unmeasurable during the day period (due to non-adverse weather and/or the presence of other ambient extraneous noise sources), then the three (3) measurements must be undertaken during the evening and/or night periods.
- All measurements will be undertaken using a NATA-calibrated Type-1 sound level meter (compliant with AS IEC 61672.1-2019 "Electroacoustics Sound Level Meters").
- All measurements and subsequent analysis will be undertaken in strict accordance with EA EPML00335713 (most notably condition F6) and DES's Noise Measurement Manual (DEHP 2013).
- Within 14 days of completion of the compliance noise monitoring, a Compliance Noise Monitoring Report will be prepared.
- In addition to the above, for the first 12 months, seven days of unattended noise monitoring will also be undertaken at the noise monitoring locations outlined in Table 6-1 [Table 3]. At the completion of the unattended noise monitoring, the data will be downloaded, analysed and reported in the Compliance Noise Monitoring Report (in conjunction with the roving short-term attended measurements).



Section 7 'Protocol for Determining Exceedances of the EA Noise Conditions' of the NVMP states the following relevant details to this assessment and reporting:

Exceedances of the EA noise conditions can only be determined from the monthly compliance noise monitoring or any additional compliance noise monitoring requested by DES. However, the note in Condition F7 states "The performance monitoring required under this condition is to be used for performance management and can be used by the administering authority to assess compliance with Table F1 – Noise limits (includes construction activities)".

All exceedances of the EA noise conditions determined from either form of compliance noise monitoring (monthly or DES requested) will be documented in either the monthly Compliance Noise Monitoring Report, which will then be published publicly, or in a stand-alone report provided to DES in response to a specific request to undertake compliance noise monitoring.

All noise monitoring equipment and methodology used to determine whether any exceedances have occurred during compliance noise monitoring will be undertaken in accordance with EA Condition F6, Section 6.2 and DES's Noise Measurement Manual (DEHP 2013) and Australian Standard (AS) 1055.

In accordance with EA Condition F2, if noise monitoring indicates the potential for an exceedance of the EA noise conditions, NAC will immediately implement noise abatement measures upon receiving those results to avoid exceeding the EA noise conditions.

3.0 Mine Operations During the October 2023 Monitoring Period

NAC has provided the following explanation of mine operations during this noise monitoring assessment period. This explanation is supported with additional information contained within Appendix B of this report.

The primary noise generating departments at NAC mine are:

- Removal of overburden,
- Drill and blast works,
- Progressive rehabilitation, and
- Heavy vehicle workshop.
- Limited coal mining, including operations of the CHPP.

NAC operate mobile mining equipment as listed in Table 4 at any one time. The mobile plant and water evaporation cannons were the most significant noise generators at NAC for this reporting period.

Production workers generally operate a combination of the mobile plant to achieve its schedule across a combination of active pits. Burden material from these active pits is transferred to relatively local dumping points.

Production workers are scheduled to operate a combination of the mobile plant listed in Table 4 across the following roster:

• 5 to 12 and 18 to 25 October; Monday to Sunday – NAC operations occurred over a 24-hour period, where noise permits (ie actively monitoring their performance noise monitoring system), and deemed safe. The heavy vehicle workshop operates from 6:30 am to 6:30 pm, with tool box talks and general preparation occurring between 6:30 am and 7:00 am.

Available operational logs (see Appendix B) with recorded actions relating to equipment start and stop times during the 5 to 12 and 18 to 25 October monitoring period were reviewed to inform the unattended monitoring analysis.



Table 4 NAC Mobile Mining Equipment List

Unit Number	Machine Type	Unit Number	Machine Type
	Excavators		Dozer
EX107	Hitachi EX1800	DZ609	Caterpillar D10T
EX1091	Hitachi EX470	DZ610M	Caterpillar D11R
EX110 ¹	Hitachi EX3600	DZ611	Caterpillar D11R
	Wheel Loaders	DZ612	Caterpillar D11T
WL208	Caterpillar 992G	DZ613	Caterpillar D11T
WL211	Caterpillar 992G	DZ618	Caterpillar D10T
WL214 ¹	Le Tourneau L1150	DZ622	Caterpillar D11R
WL2161	Le Tourneau L1350	DZ6251	Caterpillar D11T
	Haul Trucks	DZ626 ¹	Caterpillar D11T
RD310	Caterpillar 785 Volumax		Wheel Dozer
RD311	Caterpillar 785 Rock Body	WD802	Caterpillar 854G
RD312	Caterpillar 785 Volumax	WD8031	Caterpillar 854G
RD314 ²	Caterpillar 785 Coal Tray		Grader
RD316 ²	Caterpillar 785 Coal Tray	GR703	Caterpillar 16G
RD317 ²	Caterpillar 785 Volumax	GR704	Caterpillar 24H
RD318 ¹	Caterpillar 785 Coal Tray	GR706	Caterpillar 24H
RD319 ¹	Caterpillar 785 Volumax Coal		Water Truck
RD320 ¹	Caterpillar 785 Volumax Coal	WT004	Caterpillar 773B
RD406 ¹	Caterpillar 789C	WT0061	Caterpillar 785C Watertruck
RD407 ¹	Caterpillar 789C	WT0081	Caterpillar 789C Watertruck
RD408 ¹	Caterpillar 789C		Drill
RD409 ¹	Caterpillar 789C	DR991	Atlas Copco DML
RD410 ¹	Caterpillar 789C		Service Trucks
RD411 ¹	Caterpillar 789D	ST004	Ford Louisville Service Truck
RD412 ¹	Caterpillar 789D	ST006	Mack Service Truck
RD413 ¹	Caterpillar 789D	ST007	Mack Service Truck Granite
RD4141	Caterpillar 789D	ST012	Caterpillar 773F ST
RD415 ¹	Caterpillar 789D		
RD501 ¹	Caterpillar 793F		
RD502 ¹	Caterpillar 793F		
RD503 ¹	Caterpillar 793F		
RD5041	Caterpillar 793F		
RD5051	Caterpillar 793F		

Note: This is mobile mining equipment only and does not include ancillary equipment such as. lighting plants, pumps etc.

Note 1: Fully noise attenuated mobile mining equipment.

Note 2: Partially noise attenuated mobile mining equipment.



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The heavy vehicle workshop is scheduled to operate between 6:30 am and 6:30 pm, and includes one (1) service truck operator, and five (5) fitters spread between the field and workshop as needed. Additional and other tradespersons are contracted as required. Servicing consists of a variety of noise generating activities, some more significant than others.

NAC started mining coal October 2023, albeit at limited capacity. The CHPP typically operates Monday to Friday (or weekends as required) during the hours of 7:30 am to 5:30 pm, with operations dependent on coal availability. Mobile plant that supports the CHPP include:

- Wheel loader and haul truck for ROM bin loading and rejects removal. Alternatively, only ROM coal haul trucks operating if they are directly feeding coal to the ROM bin.
- Qube trucks hauling export coal to JRLF, wheel loader to fill Qube trucks when required.
- Ancillary equipment used around the CHPP Bobcat, small loader.

The NAC rail spur is yet to be constructed, therefore an assessment against rail noise is not applicable to this monitoring period.

The exception to the above is NAC's operational constraints; agreed shift times, human resources (absenteeism/overtime), weather, unscheduled maintenance, unscheduled delays for performance management relating to noise at sensitive receptor locations, and emergencies. Attached as Appendix B are details of unscheduled activities and other 'noise events' during this noise monitoring assessment period that are considered typical of normal mining operations.

4.0 Noise Monitoring Methodology

This assessment has been conducted through a combination of long-term unattended noise measurements and the short-term operator attended noise measurement. The monitoring and analysis methodology detailed in the following subsections have been conducted in a manner to be in general accordance with DES's *Noise Measurement Manual* (NMM) and address the requirements of EA Condition F6.

4.1 Monitoring Locations

The noise monitoring locations are detailed in Table 5 and shown in Figure 1. Each location was selected to minimise influences from extraneous noise sources (eg optimum placement of the monitors away from air-conditioners, dogs, rustling trees etc.), but remaining near enough to be representative of the sensitive receptor in general accordance with the requirements of the NVMP.

Table 5 Noise Monitoring Location Details

Location	Coordinates (GDA 94, Zone 56	Description	Representative Photo
NML1	370,385 m E 6,979,192 m S	Located at historical noise monitoring location representing this sensitive receptor, which is approx. 25 m northeast of the residence at Allen Street, Acland. Location approx. 360 m southwest of NAC's Stage 2 West Pit.	



Location	Coordinates (GDA 94, Zone 56	Description	Representative Photo
NML4	369,336 m E 6,984,857 m S	Located on opposite side of Balgowan Road to the NML4 residence to the southwest. Location approx. 2.7 km northwest of NAC admin building.	
NML8	373,015 m E 6,983,968 m S	Located in front yard, 20 m south of the residence façade. Location approx. 2.0 km northwest of NAC admin building.	
NML10	374,031m E 6,984,060 m S	Noise monitor located at representative location 35 m southwest of sensitive receptor. Approximately 3.0 km northeast from NAC admin building	



Location	Coordinates (GDA 94, Zone 56	Description	Representative Photo
NML11	375,169 m E 6,982,676 m S	Noise monitor located approximately 40 m southwest of sensitive receptor at representative location. Location approx. 3.9 km east of NAC admin building.	
NML15	376,603 m E 6,978,865 m S	Noise monitor located at representative location 70 m southwest of sensitive receptor. Approximately 2.7 km east from NAC	
NML16	376,661 m E 6,977,960 m S	Noise monitor located at representative location 70 m northwest of sensitive receptor. Approximately 3 km southeast from NAC	

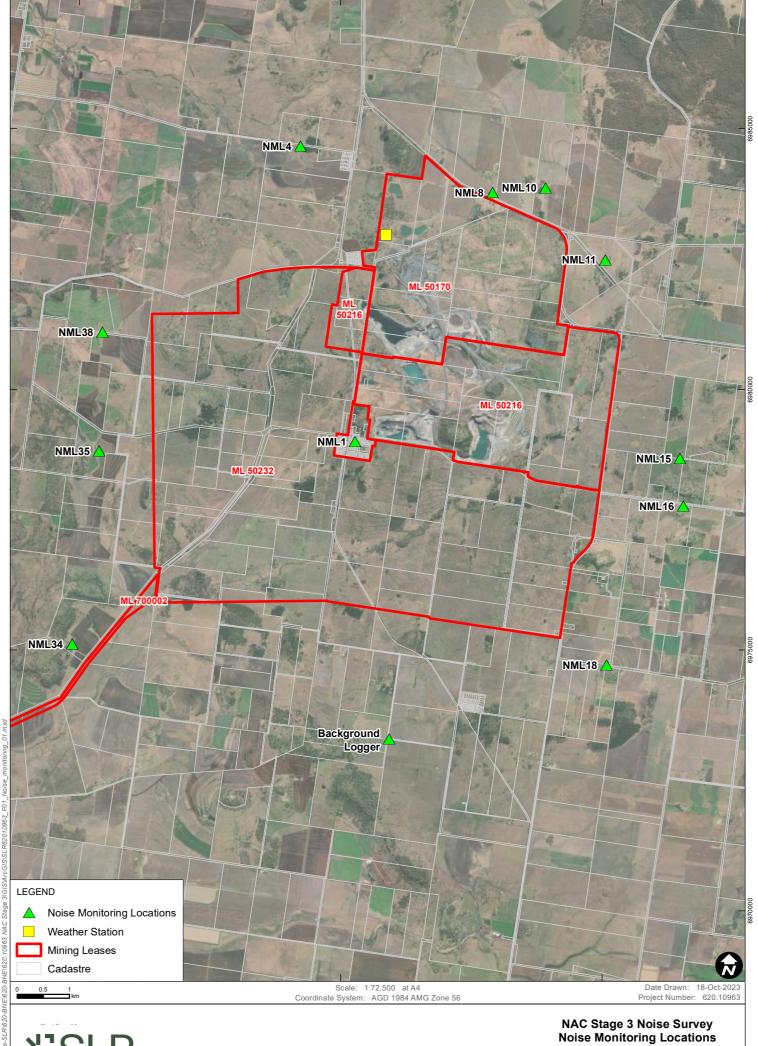


Location	Coordinates (GDA 94, Zone 56	Description	Representative Photo
NML18	375,194 m E 6,974,907 m S	Noise monitor located at representative location 70 m southwest of sensitive receptor. Approximately 4.4 km southeast from NAC	
NML34	364,969 m E 6,975,304 m S	Noise monitor located at representative location 35 m northeast of sensitive receptor. Approximately 7.1 km southwest from NAC	
NML35	365,482 m E 6,979,010 m S	Noise monitor located at representative location 12 m east of sensitive receptor. Approximately 5 km southwest from NAC	



Location	Coordinates (GDA 94, Zone 56	Description	Representative Photo
NML38	365,549 m E 6,981,292 m S	Noise monitor located at representative location approximately 50 m to the southeast of the sensitive receptor. Location approx. 5.0 km west of NAC.	
Background	371,979 m E 6,971,669 m S	Located in field, approximately 7 km southeast of NAC and 1.7 km west of Oakey Cooyar Road.	





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4.2 Monitoring Dates

For this October 2023 monitoring period, noise monitoring was undertaken between 5 and 12 October and 18 to 25 October 2023 (inclusive). In accordance with the EA and NVMP requirements (see Section 2.0), analysis was undertaken on seven (7) selected days which, where possible, included days where there were adverse weather conditions (ie temperature inversions, and/or light source to receiver wind directions) and/or normal to peak mine operations.

Initially all monitoring locations were conducted during the period of 5 to 12 October 2023 inclusive, however due to incomplete monitoring data at NML18 and NML34 during this initial monitoring period, the unattended noise monitoring equipment was redeployed at these two (2) locations with revised monitoring dates noted below.

The dates below represent the start of each assessed daily period:

- NML 1 5 to 6 and 8 to 12 October 2023, assessment period being 24-hours starting 10:00 pm prior to each of these days.
- NML 4, NML 10, NML 15, NML 16, NML 18, NML 34 and NML 35 5 to 11 October 2023, assessment period being 24-hours starting 10:00 pm prior to each of these days.
- NML 8 6 to 12 October 2023, assessment period being 24-hours starting 10:00 pm prior to each of these days.
- NML 11 and NML34 18 to 25 October 2023, assessment period being 24-hours starting 10:00 pm prior to each of these days.

In accordance with the NVMP requirements, a total of three (3) 15-minute attended noise measurements were conducted at each monitoring location targeted at each of the day, evening and night time periods (1x 15-minute attended measurement conducted in each of these periods). Measurements were conducted on 5 and 6 October 2023, coinciding with the initial deployment for all monitoring locations, and occurred during the NAC operating period. For NML18 and NML34, attended measurements were not repeated as the three (3) completed attended measurements at each location during the initial equipment deployment were considered representative of the noise environment at each of these two (2) locations.

4.3 Noise Monitoring Equipment

Table 6 details the noise monitoring equipment used for unattended and attended noise monitoring. To also ensure suitable analysis could be completed on the unattended noise monitoring data, audio data, one-third octave frequency data, and fast and impulsive LAmax data were captured by the noise logger at each location.

All unattended noise loggers were set to log data in 15-minute intervals (in accordance with Condition F6 of EA EPML00335713). The Background Location was also set to log 15-minute intervals (representing a standard background monitoring location/program). The primary logging profile for each unattended noise logger was set to log A-weighted and fast response continuous noise levels.

All acoustic instrumentation employed throughout the noise monitoring survey was designed to comply with the requirements of AS IEC 61672.1-2019 "Electroacoustics - Sound Level Meters" and carried current manufacturer calibration certificates. Instrument calibration was checked in the field before and after each measurement survey, with the variation in calibrated levels not exceeding the acceptable variation of ± 1.0 dBA.



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Table 6 Unattended and Attended Noise Monitoring Equipment – October 2023

Location	Noise Monitoring Equipment
NML1	SVAN 977 SN: 98419
NML4	SVAN 977 SN: 99021
NML8	SVAN 977 SN: 69720
NML10	SVAN 977 SN: 69756
NML11	SVAN 977 SN: 99021
NML15	SVAN 977 SN: 69507
NML16	SVAN 977 SN: 99019
NML18	SVAN 977 SN: 99032
NML34	ARL Ngara SN: 8781B1
NML35	ARL Ngara SN: 8781DD
NML38	ARL Ngara SN 8781CE
Background	NGARA SN: 8781CE
All	Brüel & Kjær 2250 Sound Level Meter SN: 3004710 Brüel & Kjær 2250 Sound Level Meter SN: 3004638
All	G.R.A.S 42AG SN:279052 SV30A SN:24573

4.4 Meteorological Conditions

Weather data during the October 2023 monitoring period was obtained from a permanent weather station located approximately 300 m northwest of NAC's main administration building (see Figure 1) and was considered representative of the study area (ie all monitoring locations are within 11 km of this permanent weather station without any major intervening terrain with the potential to impact the local weather). The meteorological data from the weather station was filtered for any periods of rainfall and periods where wind speeds were in excess of 5.0 m/s (18 km/h), with noise levels excluded where these periods occurred. Comments have also been included where elevated wind noise and/or rainfall was observed during unattended logging or operator attended noise measurements but where the recorded weather conditions were compliant with DES's NMM.

Weather conditions in the October 2023 monitoring period were characterised by elevated wind speeds relative to those experienced in previous monthly monitoring periods.

4.5 Analysis Methodology

The attended and unattended analysis methodology utilised for this October 2023 monitoring period is outlined in the following sub-sections. It is noted that this methodology may be reviewed and revised for future monitoring rounds (including when mine operations move to more intensive 24-hour operations and rail activities commence), however it is not proposed to reanalyse historical data if and when such conditions change.

4.5.1 Attended Noise Data

For those attended measurements where NAC mine attributable noise was audible and/or measurable, analysis of the attended noise measurements was completed through re-reviewing the LAeq,15 min data file to remove periods of noted extraneous noise (ie traffic passbys, wind/tree noise, bird song etc). This was completed via the following steps (which are similar to those completed for the unattended analysis outlined in Section 4.5.2):

• Extract the 1-second LAeq overall noise levels and one-third octave band data.



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- Identify periods of extraneous noise and remove the corresponding 1-second data periods (this identification process was undertaken through reviewing the measurement notes and listening back to the captured audio data to confirm start/stop times of sources).
- Recalculate the LAeq based on the remaining 1-second data and confirm NAC attributable noise level.
- Unlike the unattended analysis outlined in Section 4.5.2, the attended analysis has not used frequency filters and corresponding correction factors. As such, all one-third octave bands have been considered in the recalculate LAeq.
- Where bird song was observed throughout the 15-minute measurement period, and could
 not be excluded through the 1-second data (ie because bird song was continuous through
 the 15-minute period), this source was excluded via manually adjusting the recalculated LAeq
 one-third octave band spectra in the bands dominated by bird song to levels more
 representative of the observed mining contribution).
- For periods where mine noise was only observed for a brief period within the overall 15-minute measurement period, only this period was further analysed and an NAC attributable noise level derived from that data period.

With the removal of those extraneous sources, the LAeq,15 min was calculated to a level attributable to NAC mine noise. During this review, where practicable, the resulting LAFmax,15 min and corresponding LAImax,15 min attributable to NAC mine noise were compared to determine whether any impulsive corrections were warranted in accordance with the NMM. Similarly, if tonal characteristics were measured/audible, the LAeq,15 min noise level calculated to a level attributable to NAC noise was reviewed and adjusted via the following method outlined in the NMM:

- 1 Confirm the Leq,15 min A-weighted one-third octave band noise level exceeds the neighbouring bands by 5 dB $\,$
- 2 Add 5 dB to the tonal one-third octave band noise level
- 3 Logarithmically sum all A-weighted one-third octave bands, including the adjusted band
- 4 The arithmetic difference between the logarithmically summed noise level determined in point 3 and the original overall A-weighted noise level becomes the tonal correction.

If NAC attributable noise was determined to be inaudible and/or unmeasurable during the attended measurement, the above re-review was not performed and an NAC mine attributable noise level was not presented. Similarly, in instances where short durations (less than 30 seconds) of NAC mine attributable noise was discernible yet significantly below ambient noise levels, such that accurate quantification was not possible, an estimated upper limit for the noise contribution has been presented and a full re-review was not performed.

For attended measurements undertaken during the night time period and where NAC mine noise was detected, the attended noise data was analysed and noise attributable to NAC operations was assessed against the LAmax 50 dBA night-time noise limit.

4.5.2 Unattended Noise Data

The analysis of the unattended noise monitoring data captured from each monitoring location (excluding the Background location) has been completed via the following methodology. The methodology outlined below has been undertaken in order to identify the NAC mine attributable noise level, where it is in fact audible and/or measurable (ie acoustically detectable²). In a lot of

² The phrases 'acoustically detectable/detected' and 'audible and measurable' are used in this report to refer to measurements where the key noise source (i.e. NAC mine operations) was able to be measured by an appropriate sound level meter (measurable in one or more one-third octave band), and/or was audible to a suitably qualified acoustic consultant. In some instances, the key source was measurable but not audible due to, for example, either being acoustically 'masked' by other sources (such as constant wind noise) or at the edge of or below the range of typical human hearing. Conversely, in some instances the key sources were audible but difficult to measure due to, for example, either being acoustically 'masked' by other sources (such as constant wind noise or traffic noise), or a complex noise environment was observed where multiple



instances, due to the prominence of ambient noise sources, prevailing weather condition, and/or extent of mining activities, NAC mine noise could either not be detected or only 'just' detectable via the methodology outlined below and an exact NAC attributable noise level has not been possible to determine. In these cases, the results presented in Appendix E represent 'ambient' noise levels where NAC mine attributable noise, if just detected, is less than the reported value. If NAC noise was not detected, the results solely represent 'ambient' noise levels.

- For October 2023, SLR has been advised that the official NAC operating period is 24-hours, Monday to Sunday. A review of available operational logs (see Appendix B) noting recorded actions relating to start and stop times during the 5 to 12 and 17 to 25 October monitoring period has been undertaken to inform the analysis. Detailed analysis of the unattended noise monitoring data has been completed for the day, evening and night periods for the seven (7) days outlined in Section 4.2, consistent with the possible operational period.
- Where more than seven (7) 24 hour periods were monitored at a specific location, the selected seven (7) 24-hour periods for reporting were initially determined based on a preliminary review of the noise data (namely one-third octave band), weather data and the operational mine log. Where practical, these 24-hour periods align with adverse weather conditions for noise propagation (le temperature inversions, and/or light source to receiver wind directions, limited to no rain) and/or normal to peak mine operations.
- 3 Through detailed analysis of selected 'mine dominant' attended noise measurements associated with the performance monitoring station correlation survey in April and May 2023³, (see analysis in Appendix C), it was determined that the difference in mine noise contribution for the frequency range of 20 Hz to 630 Hz and separately the 20 Hz to 1 kHz one-third octave bands (inclusive) when compared to the total mine noise (20 Hz to 20 kHz) were as follows:
 - Acland performance monitoring station:
 - ≤630 Hz filter: missed mine noise energy = +2.3 dBA.
 - ≤1 kHz filter: missed mine noise energy = +0.7 dBA.
 - Northern performance monitoring station:
 - ≤630 Hz filter: missed mine noise energy = +1.6 dBA.
 - ≤1 kHz filter: missed mine noise energy = +0.7 dBA.

Due to the prominence of extraneous noise sources above 630 Hz or 1 kHz (ie bird song, traffic passbys, depending on the time of day), these frequency band filters have been applied to all logged unattended noise data. This was applied via logarithmically summing the LAeq 20 Hz to 630 Hz and 20 Hz to 1 kHz one-third octave bands for each 15-minute logged interval.

The ≤630 Hz one-third octave band forms the primary filter for all compliance monitoring locations due to mine noise generally been detectable within this frequency range (or theoretically detectable) noting the distance many locations are setback from NAC. The exception is NML1 where both filters have been considered due to the proximity of this location to NAC operations and that mine noise can be clearly measured at contributing noise levels in the frequency range of 800 Hz and 1 kHz and not solely ≤630 Hz.

The corrections have been applied to the following grouping:

 Acland performance monitoring station frequency filter corrections – applied to NML1, NML15, NML16, NML18, NML34, NML35, NML38,

³ Correlation monitoring completed by SLR for NAC, and occurred at the Acland and Northern performance monitoring stations.



other noise sources were detected which contributed to the overall measured noise level elevated above the key source's contribution.

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- Northern performance monitoring station frequency filter corrections applied to NML4, NML8, NML10, NML11.
- 4 Periods where the Laeq,15 min value was greater than the corresponding time period noise level conditioned within Schedule F Table F1 (day 42 dBA, evening 35 dBA, night-time 35 dBA, as applicable), with the addition of the frequency filter corrections noted in Point 2, were conditionally formatted to automatically highlight. The conditional formatting is:
 - Day (>42 dBA) pink cells in Appendix E
 - Evening (>35 dBA) peach cells in Appendix E
 - Night-time (>35 dBA) peach cells in Appendix E.
- LAeq,15 min periods that were highlighted were reviewed to determine the contributing noise levels from NAC mine operations or whether extraneous noise sources interfered with that 15-minute period, including contributing the ≤630 Hz and/or ≤1 kHz one-third octave bands. This review was completed via the following logged data and other supporting information:
 - Listen back to the logged audio data to determine audible noise sources.
 - One-third octave noise spectrum either the total 15-minute spectrum or at a finer resolution of 1-minute interval data.
 - Review of measured weather data and to eliminate noise monitoring periods that exceeded the prescribed wind speed and rainfall criteria stated in the NMM.
 - Review available mine operation logs to confirm mining activities occurred in highlighted periods.
- 6 In addition to the review of those periods that were highlighted through Point 4, 15-minute periods that were within 5 dBA of the relevant time period noise level limits prescribed in Schedule F Table F1 were also reviewed to determine the contributing noise levels from NAC operations or whether extraneous noise sources interfered with that 15-minute period, including into the ≤630 Hz and/or ≤1 kHz one-third octave bands contributions. This accounted for periods where potential tonal or impulsive characteristics may be present and warranted corrections being applied (thus increasing the reported NAC attributable noise level). 15-minute periods where the LAeq noise level was less than 5 dBA of the relevant time period noise level limit prescribed in Schedule F Table F1 were generally not reviewed unless there was clear evidence of NAC attributable noise in the raw one-third octave band data or 15-minute periods before/after were within 5 dBA of the relevant time period noise level contained in Schedule F Table F1.
- 7 This review identified the following common extraneous noise sources that were removed from the filtered results contained in this report:
 - Traffic passbys,
 - Bird song,
 - Insects,
 - Wind.
 - Helicopters, and
 - Domestic noise.

The process for removing these extraneous sources were as follows:

Traffic passbys, helicopters, domestic noise and wind noise that contained typically broadband energy well into the frequency filters – these type of extraneous sources were recorded during the assessed time periods, with certain times observing multiple events in a 15-minute period. They typically dominated the noise environment for 30-60 seconds per event, or longer if repetitive events occurred, sometimes dominating the full 15-minute period. Where these events were detected and determined to dominate a corresponding 1-minute period, that data was removed from the analysis.



Where 1-minute periods were removed, the remaining 1-minute LAeq's within that 15-minute period were logarithmically averaged to recalculate a corrected LAeq, 15min. Where more than 5-minutes of data was excluded, the full 15-minute period was excluded.

- Bird song bird song was clearly audible and dominant for much of the monitoring period. Bird song is typically observed from just prior to sunrise to just after sunset, with bird song attributable noise levels most elevated during the morning and late afternoon periods. Typically, bird song dominated those frequencies above 1 kHz so were inherently excluded from this analysis through the ≤630 Hz / ≤1 kHz one-third octave band filters. At times however, bird song (typically from crows, roosters and pigeons) contaminated the 1 kHz one-third octave band, and observed within the 630 Hz and 800 Hz one-third octave bands, which required the removal of that contamination. Where the analysis clearly identified bird song contributing or dominating the ≤1 kHz filter, the ≤630 Hz filter was considered more appropriate over the ≤1 kHz filter for determining mine contributions (this is in part the key reason why the ≤630 Hz filter forms the primary filter for the majority of monitoring locations). If bird song was also identified as contributing to or dominating the ≤630 Hz filter, a similar process for correcting passbys, helicopters etc was adopted by removing the dominant 1-minute period/s. Where 1-minute period/s were removed, the remaining 1-minute LAeq's within that 15-minute period were logarithmically averaged to recalculate a corrected Laeq, 15min. Again, where more than 5-minutes of data was excluded, the full 15-minute period was excluded.
- Insects insect noise, where observed, was always in a frequency range above 1 kHz (typically in the range of 2 kHz to 6.3 kHz), and therefore exceeded via both the 630 Hz and ≤1 kHz filters. Minute by minute data did not have to be removed to exclude insect noise.
- Where extraneous noise sources have been removed from a Laeq,15 min and the noise level recalculated, that number has been presented in blue see Appendix E. Where a 15-minute noise level was above the relevant time period noise level limit prescribed in Schedule F Table F1, however considered to have been dominated by extraneous noise for more than 5-minutes of the 15-minute period, a blue cell shading has been applied to the comment cell, and the 15-minute noise level is to be excluded.
- 9 As part of this review, suitable analysis was completed on the reviewed periods to determine whether any tonal and/or impulsive characteristics were detected (in accordance with the NMM and Condition F6 of EA EPMLO0335713). Dozer track slaps were observed with a number of events satisfying SLR's interpretation of the NMM criterion for determining where impulsive corrections need be applied. Tonal characteristics from mining activities were also observed at times and again satisfying SLR's interpretation of the NMM criterion for determining where tonal corrections need be applied. Where tonal and/or impulsive characteristic correction has been applied to an LAeq,15 min noise level, that number has been presented in magenta see Appendix E.
- 10 Analysis to determine compliance with the night-time 50 dBA LAmax noise limit has been undertaken according to the following steps:
 - a) An initial filter has been applied to the as measured LAmax 15-minute noise levels to identify those above 50 dBA. When the LAmax noise level is equal to or less than 50 dBA, no further analysis has been completed, regardless of whether mine noise has been detected or not.
 - b) Where the measured Lamax 15-minute noise level is above 50 dBA, the Lamax event has been identified and via the spectral and/or audio data, the source identified and noted accordingly in Appendix E.
 - c) If multiple events are above 50 dBA within the 15-minute, but no mine noise is detected, no further identification of these additional events is conducted.



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- d) If multiple events are above 50 dBA within the 15-minute, and mine noise is detected, further identification of these additional events is conducted to confirm whether any are attributable to mine noise. If the mine attributable LAmax can be identified and is above 50 dBA, this is reported. If all events above 50 dBA are attributable to non-mine sources, this is noted accordingly.
- e) For this analysis, the LAmax is defined as the maximum noise event, rather than an 'average maximum'. This aligns to the definition of LAmax in the EA.
- f) For the period of just prior to sunrise and through to 7:00 am, where bird song tends to dominant the noise environment, determination of mine attributable LAmax noise levels can often be difficult. Where a conclusive determination of the mine attributable LAmax noise cannot be made, due to the frequent nature of bird song or other extraneous noise sources, this is noted accordingly.

Finally, as noted in Section 4.4, comments have also been included where elevated wind noise and/or rainfall was observed during unattended logging noise measurements but where the recorded weather conditions were compliant with the NMM. Where wind noise and/or rainfall has either effected or dominated the measurement, this has been noted accordingly including whether the 15-minute data is considered suitable for use or excluded due to wind/rain effects/dominance (see Appendix E).

5.0 Noise Monitoring Results

The following section documents the attended and unattended noise monitoring results completed as part of this assessment.

5.1 Attended Noise Results

As noted in Section 4.2, three (3) 15-minute attended noise measurements were conducted at each monitoring location on 5 and 6 October 2023, and occurred during the NAC mine operating period.

The results of the attended noise measurements, including the derived noise level attributable to NAC mine operations where NAC mine was detectable (audible and/or measurable), are detailed in Appendix D. A summary of the findings are presented below:

- NML1: NAC mine was not detected during all three (3) attended measurements.
- NML4: NAC mine was detected during one (1) attended measurement at a level below the
 relevant night time noise limit. The highest noise level attributable to NAC operations was
 30 dBA, detected for brief periods during the attended measurement undertaken at
 12:30 am on 6 October 2023. No NAC mine noise was detected during other
 measurements at this location.
- NML8: NAC mine was detected during one (1) attended measurement at a level equal the
 relevant night time noise limit. The highest noise level attributable to NAC operations was
 35 dBA, which was the calculated NAC contribution for the attended measurement
 undertaken at 10:30 pm on 5 October 2023. No NAC mine noise was detected during other
 measurements at this location.
- NML10: NAC mine was detected during one (1) attended measurement at a level below the
 relevant night time noise limit. The highest noise level attributable to NAC operations was
 30 dBA, which was noted for very brief periods during the attended measurement
 undertaken at 11:00 pm on 5 October 2023. The overall filtered LAeq,adj(15minute) for this
 measurement was noted during unattended analysis at 26 dBA. No NAC mine noise was
 detected during other measurements at this location.
- NML11: NAC mine was not detected during all three (3) attended measurements.
- NML15: NAC mine was not detected during all three (3) attended measurements.
- NML16: NAC mine was not detected during all three (3) attended measurements.



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- NML18: NAC mine was not detected during all three (3) attended measurements.
- NML34: NAC mine was not detected during all three (3) attended measurements.
- NML35: NAC mine was not detected during all three (3) attended measurements.
- NML38: NAC mine was not detected during all three (3) attended measurements.

NAC mine attributable noise was audible/measurable during three (3) of the 33 (15-minute period) attended measurements, and inaudible/unmeasurable (ie undetectable) during the remaining attended measurements. For those 15-minute attended noise measurements completed for this monitoring period where NAC was audible and measurable, all NAC mine attributable noise levels were below the relevant LAeq,15min adj noise limit for the period in which the measurement took place, prescribed in Schedule F - Table F1 of NAC's EA.

5.2 Unattended Noise Results

A summary of each monitoring location's analysed noise logger data (statistical and audio) is contained within the following sections.

The detailed analysis results for each monitoring location during the October 2023 monitoring period is contained within Appendix E.

5.2.1 NML1

There was a total of seven (7) 24-hour periods (day, evening and night time) analysed between 5 to 6 and 8 to 12 October 2023, totalling 672 individual 15-minute intervals. Analysis showed that for all 15-minute intervals where NAC mine was detected (audible/measurable) following the unattended analysis methodology presented in Section 4.5.2, the resulting NAC mine attributable noise levels were below the relevant time period noise level limits prescribed in Schedule F - Table F1 of NAC's FA

Through the detailed analysis, mine noise detected was predominantly broadband engine noise from haul trucks. graders and evaporation cannons, hence no tonal characteristics were identified. Regarding impulsive characteristics, whilst some transient mine noise events were audible during the analysis, SLR did not deem any of the reviewed periods as containing mine noise which warranted correction for impulsive characteristics.

Several noteworthy periods were identified for noise monitoring at NML1 in October 2023, these include:

- The daytime of 8 October from approximately 10:30 am to 11:00 am broadband engine noise from haul of materials approximately 1 km east of NML1 resulted in two (2) 15-minute periods of NAC attributable noise at 39 dBA LAeq,15min adj. No periods exceeding the daytime 42 dBA LAeq,15min adj noise limit were identified.
- The evening and night time periods of 9 October between 8:30 pm and 11:30 pm, and between 7:00 pm on 11 October and 12:30 am on 12 October where on both occasions steady state noise from evaporator cannons was detected at levels of up to 33 dBA LAeq,15min adj. No periods exceeding the evening and night-time 35 dBA LAeq,15min adj noise limit were identified, nor periods exceeding the night-time 50 dBA LAmax noise limit.

The noise environment at NML1 was routinely dominated by aircraft noise (from Oakey Air Base and small light aircraft), bird song, vehicle passbys (albeit infrequent at times), and wind generated noise. Typically, between the hours of 4:00 am to 10:00 am each day, crow and rooster calls were identified to contaminate the 800 Hz one-third octave band, thus elevating the values calculated through the application of the ≤ 1 kHz filter. Therefore the ≤ 630 Hz filter was deemed more representative of mine contributions where mine noise was detected in these periods, unless noted otherwise.

Accordingly, for NML1, NAC mine attributable noise levels are considered to be below the relevant time period noise level limits prescribed in Schedule F – Table F1 of NAC's EA for the October monitoring period.



5.2.2 NML4

There was a total of seven (7) 24-hour periods (day, evening and night time) analysed between 5 and 11 October 2023, totalling 672 individual 15-minute intervals. Following the unattended analysis methodology presented in Section 4.5.2, NAC mine attributable noise was detected through several periods at this location. Specifically, two (2) days on 5 to 6 October between 7:00pm and 1:00 am, and 6 to 7 October 2023 between 10:00 pm and 2:20 am where consistent mine noise attributable to the operation of water evaporation cannons was detected. In both instances, the mine contribution was measured at up to 32 dBA LAeq,15min. The evaporation cannon noise was not deemed impulsive nor tonal, hence no corrections were warranted. On both occasions wind generated noise was consistently audible and dominant at times, hence ambient noise levels were consistently greater than the contribution from NAC operations.

The noise environment at NML4 was routinely dominated by aircraft noise (from Oakey Air Base and small light aircraft), bird song, dog barks and other wildlife noises, wind generated noise, local and distant traffic, and farming machinery and mechanical noise from small local irrigation pumps. It is possible that at times, these ambient noise source masked contributions from NAC mine hindering detection in the unattended noise data.

Following the unattended analysis methodology presented in Section 4.5.2, the resulting ≤630 Hz filtered noise levels for the majority of the 15-minute intervals during aforementioned monitoring dates were below the relevant time period noise limit (ie 42 dBA LAeq,15min for the day-time period, or 35 dBA LAeq,15min for the evening and night-time period). Those 15-minute intervals above the relevant time period noise limit were determined to be a result of wind generated noise or other noted extraneous sources as noted.

No tonal or impulsive NAC mine noise characteristics were detected during the October monitoring period, therefore no adjustments were warranted.

NAC mine attributable noise detected during the night time period at NML4 was steady state in nature from water evaporation cannons. Lamax events measured at this location were deemed to be extraneous in nature (primarily attributable to animals, aircraft and bird song). Consequently, the 50 dBA Lamax noise limit is considered to be achieved at NML4 during aforementioned monitoring dates.

Accordingly, for NML4, NAC mine attributable noise levels are considered to be below the relevant time period noise level limits prescribed in Schedule F - Table F1 of NAC's EA for the October monitoring period.

5.2.3 NML8

There was a total of seven (7) 24-hour periods (day, evening and night time) analysed between 6 and 12 October 2023, totalling 672 individual 15-minute intervals. Following the unattended analysis methodology presented in Section 4.5.2, NAC mine attributable noise was detected during one (1) night time period between 10:00 pm on 5 October 2023 and 1:00 am 6 October 2023 at this location. Throughout this period, steady state noise from the evaporation cannons was audible, with a contribution measured up to 35 dBA LAeq(15minute). Similar to evaporation cannon noise audible at other locations, the contribution was not deemed tonal nor impulsive. Throughout this period of detected evaporation cannon noise, ambient noise levels were impacted by wind generated noise.

For the October monitoring period, the noise environment at NML8 was routinely dominated by road traffic noise (being louder at this location than most other locations), aircraft noise (from Oakey Air Base and small light aircraft), bird song and wind generated noise. It is probable that these ambient noise source masked contributions from NAC mine hindering detection in the unattended noise data.

Following the unattended analysis methodology presented in Section 4.5.2, the resulting ≤630 Hz filtered noise levels for the majority of the 15-minute intervals during 6 and 12 October 2023 period were below the relevant time period noise limit (ie 42 dBA LAeq,15min for the day-time period, or 35 dBA LAeq,15min for the evening and night-time period). Those 15-minute intervals above the



relevant time period noise limit were determined to be a result of dominant road traffic, aircraft, local engine noise and wind generated noise as noted.

No tonal or impulsive NAC mine noise characteristics were detected during this period, therefore no adjustments were warranted.

NAC mine attributable noise detected during the night time period at NML8 was steady state in nature from the water evaporation cannons. LAmax events measured at this location were deemed to be extraneous in nature (primarily attributable to animals, aircraft, bird song, wind and road traffic noise). Hence, the 50 dBA LAmax noise limit is considered to be achieved at NML8 during aforementioned monitoring dates.

Accordingly, for NML8, NAC mine attributable noise levels are considered to be below the relevant time period noise level limits prescribed in Schedule F - Table F1 of NAC's EA for the October monitoring period.

5.2.4 NML10

There was a total of seven (7) 24-hour periods (day, evening and night time) analysed between 5 and 11 October 2023, totalling 672 individual 15-minute intervals. Following the unattended analysis methodology presented in Section 4.5.2, NAC mine attributable noise was rarely detected (audible or measurable) at this location. Specifically, during the night time of 10:00 pm to 1:00 am on 5 and 6 October 2023, steady state noise from the NAC evaporation cannons was detected during periods where localised ambient noise levels were low (ie not being masked by these ambient sources). The attributable noise level to the evaporation cannons during these periods was determined at ≤30 dBA LAeq,15min. Other NAC activity was not detected at this location in October.

For the October monitoring period, the noise environment at NML 10 was frequently dominated by road traffic noise, aircraft noise (from Oakey Air Base and small light aircraft), bird song, wind generated noise, and local machinery noise (including idling trucks). It is possible that at times, these ambient noise source masked contributions from NAC mine hindering detection in the unattended noise data.

Following the unattended analysis methodology presented in Section 4.5.2, the resulting ≤630 Hz filtered noise levels for the majority of the 15-minute intervals during 5 and 11 October 2023 period were below the relevant time period noise limit (ie 42 dBA Laeq,15min for the day-time period, or 35 dBA Laeq,15min for the evening and night-time period). Those 15-minute intervals above the relevant time period noise limit were determined to be a result of dominant road traffic, aircraft, bird song, wind generated noise or other noted extraneous sources.

No tonal or impulsive NAC noise characteristics were detected during this period, therefore no adjustments were warranted.

NAC mine attributable noise detected during the night time period at NML10 was steady state in nature from the water evaporation cannons. Lamax events at this location are deemed to be extraneous in nature (primarily attributable to aircraft, bird song and road traffic noise). Hence, the 50 dBA Lamax noise limit is considered to be achieved at NML10 during the aforementioned monitoring dates.

Accordingly, for NML10, NAC mine attributable noise levels are considered to be below the relevant time period noise level limits prescribed in Schedule F - Table F1 of NAC's EA for the October monitoring period.

5.2.5 NML11

There was a total of seven (7) 24-hour periods (day, evening and night time), analysed between 18 and 25 October 2023 at NML11, totalling 672 individual 15-minute intervals. Following the unattended analysis methodology presented in Section 4.5.2, NAC mine attributable noise was not detected (audible or measurable) at this location. The noise environment at NML11 was routinely dominated by road traffic noise, aircraft noise (from Oakey Air Base and small light aircraft), bird song, wind generated noise, cow bellows and local metal impact/rattling noise. It is possible that at



times, these ambient noise source masked contributions from NAC mine hindering detection in the unattended noise data.

Following the unattended analysis methodology presented in Section 4.5.2, the resulting ≤630 Hz filtered noise levels for the majority of the 15-minute intervals during 18 and 25 October 2023 period were below the relevant time period noise limit (ie 42 dBA LAeq,15min for the day-time period, or 35 dBA LAeq,15min for the evening and night-time period). Those 15-minute intervals above the relevant time period noise limit were determined to be a result of dominant road traffic, aircraft, bird song, wind generated noise or other noted extraneous sources.

As NAC mine attributable noise could not be detected at NML11, an assessment for tonal or impulsive adjustments is not applicable.

Similarly, as NAC mine attributable noise was not detected, including during the night-time period, the measured LAmax events at this location are deemed to be extraneous in nature (primarily attributable to animals, aircraft, bird song, road traffic and wind noise). Hence, the 50 dBA LAmax noise limit is considered to be achieved at NML11 during aforementioned monitoring dates.

Accordingly, for NML11, NAC mine attributable noise levels are considered to be below the relevant time period noise level limits prescribed in Schedule F - Table F1 of NAC's EA for the October monitoring period.

5.2.6 NML15

There was a total of seven (7) 24-hour periods (day, evening and night time) analysed between 5 and 11 October 2023 at NML15, totalling 672 individual 15-minute intervals. Following the unattended analysis methodology presented in Section 4.5.2, NAC mine attributable noise was not detected (audible or measurable) at this location. The noise environment at NML15 was routinely dominated by road traffic noise (in the same direction as the mine), aircraft noise (from Oakey Air Base and small light aircraft), bird song, and wind generated noise.

Following the unattended analysis methodology presented in Section 4.5.2, the resulting ≤630 Hz filtered noise levels for the majority of the 15-minute intervals during 5 to 11 October 2023 period were below the relevant time period noise limit (ie 42 dBA Laeq,15min for the day-time period, or 35 dBA Laeq,15min for the evening and night-time period). Those 15-minute intervals above the relevant time period noise limit were determined to be a result of dominant road traffic, aircraft, wind generated noise or other noted extraneous sources.

As NAC mine attributable noise could not be detected at NML15, an assessment for tonal or impulsive adjustments is not applicable.

Similarly, as NAC mine attributable noise was not detected, including during the night-time period, the measured LAmax events at this location are deemed to be extraneous in nature (primarily attributable to aircraft, bird song, road traffic and wind noise). Hence, the 50 dBA LAmax noise limit is considered to be achieved at NML15 during aforementioned monitoring dates.

Accordingly, for NML15, NAC mine attributable noise levels are considered to be below the relevant time period noise levels contained in Schedule F - Table F1 of NAC's EA for the October monitoring period.

5.2.7 NML16

There was a total of seven (7) 24-hour periods (day, evening and night time) analysed between 5 and 11 October 2023 at NML16, totalling 672 individual 15-minute intervals. Following the unattended analysis methodology presented in Section 4.5.2, NAC mine attributable noise could not be detected (audible or measurable) at this location. The noise environment at NML16 was routinely dominated by road traffic noise, aircraft noise (from Oakey Air Base and small light aircraft), bird song, livestock and wind generated noise. It is possible that at times, these ambient noise sources masked contributions from NAC mine preventing further detection.

Following the unattended analysis methodology presented in Section 4.5.2, the resulting ≤630 Hz filtered noise levels for the majority of the 15-minute intervals during the 5 and 11 October 2023



period were below the relevant time period noise limit (ie 42 dBA Laeq,15min for the day-time period, or 35 dBA Laeq,15min for the evening and night-time period). Those 15-minute intervals above the relevant time period noise limit were determined to be a result of dominant traffic, aircraft, and/or wind generated noise, and NAC mine attributable noise could not be detected.

As NAC mine attributable noise could not be detected at NML16, an assessment for tonal or impulsive adjustments is not applicable.

Similarly, as NAC mine attributable noise was not detected, including during the night-time period, the measured LAmax events at this location are deemed to be extraneous in nature (primarily attributable to animals, aircraft, bird song, road traffic and wind noise). Hence, the 50 dBA LAmax noise limit is considered to be achieved at NML16 during aforementioned monitoring dates.

Accordingly, for NML16, NAC mine attributable noise levels are considered to be below the relevant time period noise level limits prescribed in Schedule F – Table F1 of NAC's EA for the October monitoring period.

5.2.8 NMI 18

There was a total of seven (7) 24-hour periods (day, evening and night time) analysed between 5 and 11 October 2023 at NML18, totalling 672 individual 15-minute intervals. Following the unattended analysis methodology presented in Section 4.5.2, NAC mine attributable noise could not be detected (audible or measurable) at this location. The noise environment at NML18 was routinely dominated by road traffic noise, aircraft noise (namely from Oakey Air Base), bird song (including pigeons dominating the 630 Hz band), onsite vehicles (including operating agricultural machinery), wind generated noise, and dog barks/animal noises.

Following the unattended analysis methodology presented in Section 4.5.2, the resulting ≤630 Hz filtered noise levels for the majority of the 15-minute intervals during 5 and 11 October 2023 period were below the relevant time period noise limit (ie 42 dBA LAeq,15min for the day-time period, or 35 dBA LAeq,15min for the evening and night-time period). Those 15-minute intervals above the relevant time period noise limit were determined to be a result of dominant traffic, aircraft, bird or wind generated noise, and NAC mine attributable noise could not be detected.

As NAC mine attributable noise could not be detected at NML18, an assessment for tonal or impulsive adjustments is not applicable.

Similarly, as NAC mine attributable noise was not detected, including during the night-time period, the measured LAmax events at this location are deemed to be extraneous in nature (primarily attributable to animals, aircraft, bird song, road traffic and wind noise). Hence, the 50 dBA LAmax noise limit is considered to be achieved at NML18 during aforementioned monitoring dates.

Accordingly, for NML18, NAC mine attributable noise levels are considered to be below the relevant time period noise levels contained in Schedule F - Table F1 of NAC's EA for the October monitoring period.

5.2.9 NML34

There was a total of seven (7) 24-hour periods (day, evening and night time) analysed between 5 and 11 October 2023 at NML34, totalling 672 individual 15-minute intervals. Following the unattended analysis methodology presented in Section 4.5.2, NAC mine attributable noise could not be detected (audible or measurable) at this location. The noise environment at NML34 was routinely dominated by road traffic noise, aircraft noise (from Oakey Air Base and small light aircraft), bird song (including pigeons dominating the 630 Hz band), localised mechanical noise (farming equipment), wind generated noise, dog barks, insect noise and domestic noise.

Following the unattended analysis methodology presented in Section 4.5.2, the resulting ≤630 Hz filtered noise levels for the majority of the 15-minute intervals during 5 to 11 October 2023 period were below the relevant time period noise limit (ie 42 dBA LAeq,15min for the day-time period, or 35 dBA LAeq,15min for the evening and night-time period). Those 15-minute intervals above the relevant time period noise limit were determined to be a result of dominant road traffic, aircraft, bird



song (pigeons), wind generated noise or other noted extraneous sources, and NAC mine attributable noise could not be detected.

As NAC mine attributable noise could not be detected at NML34, an assessment for tonal or impulsive adjustments is not applicable.

Similarly, as NAC mine attributable noise was not detected, including during the night-time period, the measured LAmax events at this location are deemed to be extraneous in nature (primarily attributable to animals, aircraft, bird song and road traffic noise). Hence, the 50 dBA LAmax noise limit is considered to be achieved at NML34 during aforementioned monitoring dates.

Accordingly, for NML34, NAC mine attributable noise levels are considered to be below the relevant time period noise level limits prescribed in Schedule F - Table F1 of NAC's EA for the October monitoring period.

5.2.10 NML35

There was a total of seven (7) 24-hour periods (day, evening and night time) analysed between 5 and 11 October 2023, totalling 672 individual 15-minute intervals. Following the unattended analysis methodology presented in Section 4.5.2, NAC mine attributable noise could not be detected (audible or measurable) at this location. The noise environment at NML35 was routinely dominated by aircraft noise (from Oakey Air Base and small light aircraft), bird song, wind generated noise, livestock, insects and isolated vehicle passbys (onsite and local roads).

Following the unattended analysis methodology presented in Section 4.5.2, the resulting 630 Hz filtered noise levels for the majority of the 15-minute intervals during 5 and 11 October 2023 period were below the relevant time period noise limit (ie 42 dBA LAeq,15min for the day-time period, or 35 dBA LAeq,15min for the evening and night-time period). Those 15-minute intervals above the relevant time period noise limit were determined to be a result of dominant wind generated, aircraft noise or other noted sources, and NAC mine attributable noise could not be detected.

As NAC mine attributable noise could not be detected at NML35, an assessment for tonal or impulsive adjustments is not applicable.

Similarly, as NAC mine attributable noise was not detected, including during the night-time period, the measured LAmax events at this location are deemed to be extraneous in nature (primarily attributable to animals, aircraft, bird song and road traffic noise). Hence, the 50 dBA LAmax noise limit is considered to be achieved at NML35 during aforementioned monitoring dates.

Accordingly, for NML35, NAC mine attributable noise levels are considered to be below the relevant time period noise level limits prescribed in Schedule F – Table F1 of NAC's EA for the October monitoring period.

5.2.11 NML38

There was a total of seven (7) 24-hour periods (day, evening and night time) analysed between 18 and 25 October 2023, totalling 672 individual 15-minute intervals. Following the unattended analysis methodology presented in Section 4.5.2, NAC mine attributable noise could not be detected (audible or measurable) at this location. The noise environment at NML38 was routinely dominated by aircraft noise (from Oakey Air Base and small light aircraft), background road traffic noise, bird song, localised machinery and trucks, wind generated noise and insects.

Following the unattended analysis methodology presented in Section 4.5.2, the resulting ≤630 Hz filtered noise levels for the majority of the 15-minute intervals during 18 and 25 October 2023 period were below the relevant time period noise limit (ie 42 dBA Laeq,15min for the day-time period, or 35 dBA Laeq,15min for the evening and night-time period). Those 15-minute intervals above the relevant time period noise limit were determined to be a result of dominant wind generated noise, and NAC mine attributable noise could not be detected.

As NAC mine attributable noise could not be detected at NML38, an assessment for tonal or impulsive adjustments is not applicable.



Similarly, as NAC mine attributable noise was not detected, including during the night-time period, the measured LAmax events at this location are deemed to be extraneous in nature (primarily attributable to animals, aircraft, bird song, localised bangs/clangs, and wind noise). Hence, the 50 dBA LAmax noise limit is considered to be achieved at NML38 during aforementioned monitoring dates.

Accordingly, for NML38, NAC mine attributable noise levels are considered to be below the relevant time period noise level limits prescribed in Schedule F - Table F1 of NAC's EA for the October monitoring period.

5.3 Unattended Noise Results – Background Location

To assist with this assessment, the unattended noise monitoring data from the Background Location has been analysed for the following:

- Determination of 'Rating Background Levels' (RBLs), and
- Conduct a high-level statistical and audio data review to confirm whether NAC mine noise was detected at this location and if so, to what noise level (if measurable).

The unattended ambient noise monitoring data was used to determine the RBL for day-time (7:00 am to 6:00pm), evening (6:00 pm to 10:00 pm) and night-time (10:00 pm to 7:00 am) periods, as presented in Table 7. The RBL is the median of the 10th percentile of the daily background (La90) noise levels in each assessment period (day, evening and night) over the duration of the monitoring.

During the October monitoring period, it is noted that insect noise resulted in an elevated evening period RBL. The reported value presented in Table 7 has been filtered for insect noise, with the raw (unfiltered) RBL in brackets.

Table 7 Background Location RBL

Monitoring Month	RBL (dBA) Daytime Evening Night-time (7:00 am – 6:00 pm) (6:00 pm - 10:00 pm) (10:00 pm – 7:00 am)		
October 2023	24	27 (33)	23

A review of the data presented in Table 7 indicates that the RBLs are typical of a rural environment with ambient noise sources such as bird song, wind noise, aircraft noise (from Oakey Air Base and small light aircraft), insects and distant road traffic noise being the predominant sources.

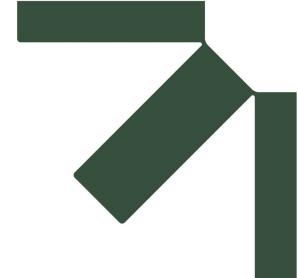
A high-level review of the captured audio and statistical data (namely one-third octave band LAeq spectra) from the Background location was conducted to confirm whether NAC attributable noise was audible and/or measurable at this location. This review concluded that no periods were considered to have NAC mine attributable noise audible and/or measurable during the October 2023 monitoring period.

6.0 Conclusion

This October 2023 monitoring period has confirmed through attended and unattended noise monitoring at the eleven (11) monitoring locations that no 15-minute period during the assessed seven (7) days contained NAC mine attributable noise levels that exceeded the relevant noise level limits prescribed in Schedule F - Table F1: Noise Limits (includes construction activities) of NAC's EA.

This October 2023 assessment is now complete and subject to no further noise monitoring.





Appendix A Acoustic Terminology

New Acland Coal – Stage 3 Noise Survey October 2023

New Acland Coal Pty Ltd

SLR Project No.: 620.10963.01007

1 December 2023



Sound Level (or Noise Level)

The terms sound and noise are almost interchangeable, except that in common usage noise is often used to refer to unwanted sound.

Sound (or noise) consists of minute fluctuations in atmospheric pressure capable of evoking the sense of hearing. The human ear (and those of other species) responds to changes in sound pressure over a very wide range. The loudest sound pressure to which the human ear responds is ten million times greater than the softest. The decibel (dB or dBL) scale reduces this ratio to a more manageable size by the use of logarithms.

The symbols SPL, L or LP are commonly used to represent Sound Pressure Level. The symbol LA represents A-weighted Sound Pressure Level. The standard reference unit for Sound Pressure Levels expressed in decibels is 2 x 10⁻⁵ Pa.

A-weighted Sound Pressure Level

The overall level of a sound is usually expressed in terms of dBA, which is measured using a sound level meter with an 'A-weighting' filter. This is an electronic filter having a frequency response corresponding approximately to human hearing.

People's hearing is most sensitive to sounds at mid frequencies (500 Hz to 4,000 Hz), and less sensitive at lower and higher frequencies. Thus, the level of a sound in dBA is a good measure of the loudness of that sound. Different sources having the same dBA level generally sound about equally loud.

Sound Power Level

The sound power of a source is the rate at which it emits acoustic energy. As with sound pressure, sound power levels (SWL) are expressed in dB units, but are identified by the symbols SWL.

The relationship between sound power and sound pressure may be likened to an electric radiator, which is characterised by a power rating but has an effect on the surrounding environment that can be measured in terms of a different parameter, temperature.

Change in Sound Pressure Levels

For human perception, a change of 1 dBA or 2 dBA in the level of a sound is considered to be indiscernible, while a 3 dBA to 5 dBA change corresponds to a small but noticeable change in loudness. A 10 dBA change corresponds to an approximate doubling or halving in loudness.

Typical Sound Pressure Levels

The table below lists examples of typical sound pressure levels.

Table A1 Examples of Typical Sound Pressure Levels

Sound Pressure Level (dBA)	Typical Example	Subjective (Human) Evaluation
130	Threshold of pain	Intolerable
120	Metal hammering	Extremely noisy
110	Grinding on steel	
100	Loud car horn at 3 metres (m)	Very noisy
90	Dog bark at 1 m	
80	Cicadas at 1 m	Loud
70	Noise level directly adjacent to a busy main road	
60	Ambient noise level in urban area close to main roads	Moderate to quiet
50	Typical rural environment with high insect noise or close to a main road	



Sound Pressure Level (dBA)	Typical Example	Subjective (Human) Evaluation
40	Ambient noise level in a rural environment with light breezes and some noise from insects, birds and distant traffic	Quiet to very quiet
30	Ambient noise level in a typical rural noise environment in the absence of insect noise and wind	
20	Ambient noise level in remote and quiet rural environment away from main roads with no wind and no insect noise	Almost silent

Statistical Noise Levels

Sounds that vary in level over time, such as road traffic noise and most community noise, are commonly described in terms of the statistical exceedance levels (LAN), where LAN is the A-weighted sound pressure level exceeded for N% of a given measurement period. For example, the LA1 is the noise level exceeded for 1% of the time and LA10 the noise exceeded for 10% of the time.

Figure A1 presents a hypothetical 15 minute noise measurement, illustrating various common statistical indices of interest.

Figure A1 Hypothetical 15 Minute Noise Measurement

Of particular relevance to this study, are:

- Lamax The A-weighted maximum sound pressure level of any given measurement period.
- La1 The A-weighted noise level exceeded for 1% during any given measurement period.
- La10 The A-weighted noise level exceeded for 10% during any given measurement period. This is commonly referred to as the average maximum noise level.
- Lago The A-weighted noise level exceeded for 90% during any given measurement period, often referred to as the 'background' noise level.
- Laeq The A-weighted equivalent noise level (basically the average noise level). It is defined as the steady sound level that contains the same amount of acoustical energy as the corresponding time-varying sound.
- LAeq, adj, 15min The specific noise level measured as the A-weighted equivalent continuous noise level (LAeq) plus any adjustment for the character of the noise (tonal and/or impulsive) determined over a reference time period of 15-minutes.

Noise Propagation

Provided the receptor is in the far-field of the noise source, noise levels will reduce as a receptor moves further away from the source. This is due to spreading of the noise source energy over



distance. For a simple point source (for example, a motor) the theoretical reduction in noise levels is 6 dBA per doubling of distance. For a line source (for example, a busy road) the theoretical reduction is 3 dBA per doubling of distance. In reality however other factors affect noise propagation. These include ground absorption, air absorption, acoustic screening and meteorological effects.

Meteorological Effects

At distances over 500 m, meteorological affects (for example, local weather and atmospheric conditions) can substantially enhance or impair noise propagation. The most influential meteorological conditions on noise propagation are wind speed and direction and the occurrence of temperature inversions. Ambient air temperature and humidity and atmospheric pressure also affect noise propagation although to a lesser extent than wind and temperature inversions.

Wind Conditions

Wind conditions enhance noise propagation when the wind is blowing from a noise source towards a receptor and therefore noise levels at the receptor will be higher under these conditions. The wind can be thought to carry the noise in the direction it is heading. Where winds blow from the receptor towards the source, the propagation of noise is impaired and therefore lower noise levels will be experienced at the receptor.

It is important to consider the effect of prevailing wind conditions when assessing noise propagation over larger distances. Wind roses, which graph long term variations in wind speed and direction, are a useful tool for analysing prevailing wind conditions where available.

Temperature Inversions

Temperature inversions are a meteorological phenomenon where a layer of cold air is trapped at the ground surface under a layer of warmer air. Temperature inversions enhance noise propagation because sound travelling away from the ground is reflected back down from where the colder air meets the warmer air due to the change in pressure between the two layers.

Conditions that favour the development of a strong surface inversion are nights with calm winds and clear skies. Calm winds prevent warmer air above the surface from mixing down to the ground, and clear skies increase the rate of cooling at the Earth's surface. It is therefore important to consider the effect of temperature inversions when assessing noise propagation over larger distances and during night-time periods.

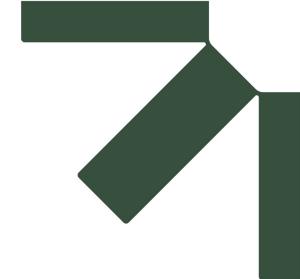
Tonality

Tonal noise contains one or more prominent tones (i.e. distinct frequency components), and is normally regarded as more offensive than 'broad band' noise.

Impulsive

An impulse noise is typified by a sudden rise time and a rapid sound decay. Impulse noise can be defined as having a high peak of short duration or a sequence of such peaks (bangs, clicks, clatters, or thumps).





Appendix B NAC Mine Operations Supporting Documents – October 2023

New Acland Coal - Stage 3 Noise Survey October 2023

New Acland Coal Pty Ltd

SLR Project No.: 620.10963.01007

1 December 2023



Time	Event Type	Message
2023-10-05 07:08:26+1000	action	208 to work rom trucks on hold
2023-10-05 07:09:30+1000	action	610 611 618 to work
2023-10-05 07:16:12+1000	action	706 ready up
2023-10-05 07:27:25+1000	action	drill 23 to work
2023-10-05 07:48:00+1000	action	exploration drills ready up
2023-10-05 08:09:44+1000	action	710 to work
2023-10-05 08:16:21+1000	action	washplant feed on
2023-10-05 08:26:52+1000	action	110 maintainance to work
2023-10-05 08:42:46+1000	action	316 320 to work
2023-10-05 08:51:01+1000	action action	214 and rdt ready up
2023-10-05 08:51:30+1000 2023-10-05 09:08:47+1000	action	802 ready up Evaporators clear to start up.
2023-10-05 09:13:12+1000	action	216 AND TRUCKS READY UP
2023-10-05 09:59:39+1000	action	gts working on west compass
2023-10-05 18:19:08+1000	action	everything stopped. pit closed from dayshift
2023-10-05 20:03:54+1000	action	Lots of interferance through speakers
2023-10-05 20:43:23+1000	action	706 starting rom
2023-10-05 22:03:14+1000	action	4 pack starting 10.10 pm
2023-10-05 22:09:05+1000	action	706 down
2023-10-05 22:12:22+1000	action	all evaps on
2023-10-05 22:16:23+1000	action	706 down
2023-10-05 22:48:24+1000	action	4.2 off 10.45pm
2023-10-06 01:36:59+1000	action	4 pack off 1am
2023-10-06 06:59:42+1000	action action	109 ready up 319.317.ready up
2023-10-06 07:02:13+1000 2023-10-06 07:02:34+1000	action	216 ready up
2023-10-06 07:03:58+1000	action	316.320 ready up
2023-10-06 07:07:15+1000	action	bobcat on shot ready up
2023-10-06 07:07:37+1000	action	214 ready up
2023-10-06 07:09:19+1000	action	409.415 ready up
2023-10-06 07:13:54+1000	action	618.ready up
2023-10-06 07:14:18+1000	action	exploration drills ready up
2023-10-06 07:15:02+1000	action	611.626 ready up
2023-10-06 07:16:09+1000	action	110 ready up
2023-10-06 07:17:40+1000	action	008ready up
2023-10-06 07:17:57+1000	action	706 ready up
2023-10-06 07:18:16+1000	action	802 ready up
2023-10-06 07:29:44+1000	action	dr23 ready up
2023-10-06 07:35:02+1000 2023-10-06 07:40:12+1000	action action	407 ready up
2023-10-06 07:40:12+1000	action	4 Pack ready up 502.505 ready up
2023-10-06 07:43:35+1000	action	2 pack cannons ready up
2023-10-06 08:02:44+1000	action	Bin 1 ready up
2023-10-06 09:36:46+1000	action	109 hydraulic hose down
2023-10-06 09:37:45+1000	action	610 ready up
2023-10-06 09:59:16+1000	action	alegra ready up
2023-10-06 10:38:18+1000		Stop 110 circuit.
2023-10-06 10:41:30+1000	action	comms trailer repairs mve west area
2023-10-06 10:45:56+1000	action	110 restarted
2023-10-06 11:17:15+1000	action	commas trailer back online
2023-10-06 12:45:55+1000		214 down
2023-10-06 15:18:10+1000 2023-10-06 17:12:57+1000	action action	4 pack cannons ready up
2023-10-06 17:12:37+1000	action	rom 1 stopped Start 4 pack
2023-10-06 23:35:58+1000		4 pack-No. 2 off
2023-10-07 07:01:47+1000	action	216 and trucks ready up
2023-10-07 07:08:54+1000	action	4.1 winds across all compass
2023-10-07 07:16:36+1000	action	4.6 winds across all compass
2023-10-07 07:20:51+1000	action	5.4 wind across all compass
2023-10-07 07:21:59+1000	action	110 ready up
2023-10-07 07:29:14+1000	action	110 trucks ready up
2023-10-07 07:35:44+1000	action	5.0 winds across all compass
2023-10-07 07:36:08+1000		008 ready up
2023-10-07 07:37:14+1000		6.0 winds across all compass
2023-10-07 07:38:05+1000	action	706 ready up
2023-10-07 07:38:36+1000 2023-10-07 07:45:01+1000	action action	802 ready up cannons 2.3.4 running
2023-10-07 07:54:22+1000	action	4.3 wind across all compass
2020 10 07 07.04.22+1000	dottori	no wina across an compass

Time	Event Type	Message
2023-10-07 07:58:38+1000	action	4.7 winds across all compass
2023-10-07 08:04:55+1000	action	4.8 winds across all compass
2023-10-07 08:05:34+1000	action	110 stopped
2023-10-07 08:14:55+1000	action	4.9 wind across all compass
2023-10-07 08:18:29+1000	action	610 ready up
2023-10-07 08:26:41+1000	action	5.0 winds across all compass
2023-10-07 08:35:33+1000	action	4.2 winds across all compass
2023-10-07 08:52:52+1000	action	5.2 winds across all compass
2023-10-07 08:58:00+1000	action	110 start
2023-10-07 09:09:41+1000	action	5.1 winds across all compass
2023-10-07 09:15:25+1000	action	5.3 windsacross all compass
2023-10-07 09:15:48+1000	action	611 ready up
2023-10-07 09:31:37+1000	action	4.7 winds
2023-10-07 09:44:08+1000	action	110 stopped
2023-10-07 09:51:45+1000		4.0 winds across all compass
2023-10-07 09:53:47+1000	action action	4.7 winds across all compass 4.8 wind
2023-10-07 09:56:21+1000 2023-10-07 10:01:39+1000	action	618 start
2023-10-07 10:01:37+1000	action	110 start
2023-10-07 10:14:02+1000	action	110 circuit stopped
2023-10-07 10:50:20+1000	action	4.4 winds across all compass
2023-10-07 10:58:49+1000	action	110 going again
	action	4.3 wind gusts across all compass
2023-10-07 11:45:50+1000	action	dr23 down on maintenance
2023-10-07 12:05:15+1000	action	4.8 winds across all compass
2023-10-07 12:18:24+1000	action	110 610 stopped
2023-10-07 12:41:49+1000	action	110 start
2023-10-07 12:50:59+1000	action	110 stopped
2023-10-07 13:18:56+1000	action	216 stopped
2023-10-07 13:38:50+1000	action	110 start
2023-10-07 13:47:45+1000	action	4.8 winds across all compass
2023-10-07 13:51:37+1000	action	502 stopped
2023-10-07 13:58:31+1000	action	4.6 winds across all compass
2023-10-07 14:20:41+1000	action	4.6 winds across all compass
2023-10-07 14:43:18+1000	action	610 start
2023-10-07 14:49:41+1000	action	4.7 wind across all compass
2023-10-07 16:40:23+1000	action	4.6 winds across all compass
2023-10-07 17:13:19+1000 2023-10-07 17:17:24+1000	action action	dr23 finished for the shift. 5.2 winds across all compass
2023-10-07 17:17:24+1000	action	pit closed. everything from DS parked up
2023-10-07 19:13:15+1000	action	Legra South Pit having a try
2023-10-07 19:28:07+1000	action	South Legra ok to run
2023-10-07 19:56:45+1000		4 pack gen set off after 5 mins no go
2023-10-07 20:40:35+1000		very windy
2023-10-07 22:30:09+1000	action	Very windy, playbacks scetchy
2023-10-08 07:01:55+1000	action	216 ready up
2023-10-08 07:02:41+1000	action	orica loading mve
2023-10-08 07:11:38+1000	action	216 stopped
2023-10-08 07:12:52+1000		216 stopped to test db difference
2023-10-08 07:13:05+1000		4.3 wind gusts across all compass
2023-10-08 07:16:28+1000		216 ready up
2023-10-08 07:20:52+1000		214 ready up
2023-10-08 07:30:11+1000		exploration ready up
2023-10-08 07:39:28+1000		008 ready up
2023-10-08 07:42:24+1000		802 ready up
2023-10-08 07:45:43+1000		609 ready up
2023-10-08 07:54:13+1000 2023-10-08 07:57:31+1000		618 ready up 706 ready up
2023-10-08 07:57:31+1000		4.3 wind gusts across all compass
2023-10-08 08:04:35+1000		4.6 winds across all compass
2023-10-08 08:15:25+1000		4.6 winds across all compass
2023-10-08 08:16:08+1000		NO PLAYBACK OR RECORDINGS ON WEST. Ongoing since GTS 4/10/23
2023-10-08 08:17:07+1000		5.6 winds
2023-10-08 08:20:11+1000		610611ready up
2023-10-08 08:36:39+1000		cannons 2.3.4 started8.00 am
2023-10-08 08:43:04+1000		5.8 winds
2023-10-08 08:58:57+1000	action	4.5 winds across all compass
2023-10-08 09:05:09+1000	action	4.1 winds across all compass

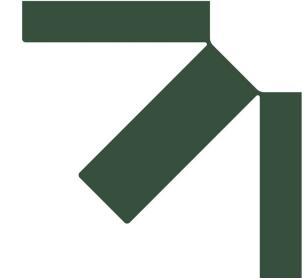
Time	Event Type	Message
2023-10-08 09:12:44+1000	action	214 mve stopped for test
2023-10-08 09:12:46+1000	action	610611.618 stopped
2023-10-08 09:14:34+1000	action	5.1 winds across all compass
2023-10-08 09:14:36+1000	action	214 and trucks noise
2023-10-08 09:16:46+1000	action	5.6 winds
2023-10-08 09:18:25+1000	action	409.407 ready
2023-10-08 09:18:40+1000	action	610 ready
2023-10-08 09:19:38+1000	action	214.ready
2023-10-08 09:26:41+1000	action	4.4 winds across all compass
2023-10-08 09:28:44+1000	action	4.7 wind across all compass
2023-10-08 09:44:21+1000 2023-10-08 10:03:08+1000	action action	618.611.ready up 4.3 wind gusts across all compass
2023-10-08 10:03:00+1000		4.6 winds across all compass
2023-10-08 11:13:14+1000		dr23 ready up
2023-10-08 11:29:58+1000		4.6 winds across all compass
2023-10-08 15:00:24+1000	action	dr23 ready up
2023-10-08 16:08:21+1000	action	4.6 winds across all compass
2023-10-08 17:08:37+1000	action	4.6 winds across all compass
2023-10-08 17:21:15+1000	action	618 611 610 idle back
2023-10-08 17:24:54+1000	action	214 idle back
2023-10-08 17:29:09+1000	action	5.0 winds across all compass
2023-10-08 17:39:20+1000	action	5.2 winds across all compass
2023-10-09 02:46:46+1000	action	Start 208
2023-10-09 03:13:51+1000 2023-10-09 07:08:39+1000	action action	Stop 208 208 and trucks ready up
2023-10-09 07:09:45+1000	action	216 and trucks ready up
2023-10-09 07:19:46+1000	action	214 loader and trucks ready up
2023-10-09 07:26:03+1000	action	008 ready up
2023-10-09 07:31:26+1000	action	610 ready up
2023-10-09 07:38:55+1000	action	4.9 winds
2023-10-09 07:47:34+1000	action	4.5 winds across all compass
2023-10-09 07:53:14+1000	action	4.3 wind gusts across all compass
2023-10-09 08:02:06+1000	action	4.1 winds across all compass
2023-10-09 08:08:17+1000	action	5.6 winds across all compass
2023-10-09 08:42:42+1000	action	5.2 winds across all compass
2023-10-09 08:55:46+1000	action	618 start
2023-10-09 08:58:31+1000 2023-10-09 09:08:13+1000	action action	4.4 winds across all compass 4.5 winds across all compass
2023-10-09 09:12:47+1000	action	4.2 wind gust across all compass
2023-10-09 10:36:54+1000	action	618 610 216 idle back
2023-10-09 10:46:38+1000	action	216 and rdt ready up
2023-10-09 10:46:55+1000	action	610 618 going again
2023-10-09 11:16:13+1000	action	dr23 ready up
2023-10-09 15:53:19+1000	action	mve west idle back 216 610 611 618
2023-10-09 16:03:17+1000	action	216 610 618 611 ready up
2023-10-09 18:09:38+1000	action	pit closed from dayshift. nothing running
2023-10-09 19:07:38+1000	action	Wind Acland 3m/s
2023-10-09 19:12:36+1000	action	2 pac on 7.08 pm
2023-10-09 19:55:56+1000 2023-10-09 20:11:00+1000	action action	3 pac on 7.50 pm 2 pac off 8.15 for fuel and noise
2023-10-09 21:42:25+1000	action	008 water rom 9.45 pm
2023-10-09 21:49:15+1000	action	west playback intermittent
2023-10-09 21:49:53+1000	action	008 water rom stock 9.40pm
2023-10-09 22:19:01+1000	action	008 stopped noise
2023-10-09 22:22:21+1000	action	008 to park at rom
2023-10-09 22:36:03+1000	action	008 down noise
2023-10-10 03:25:03+1000	action	008 to fill point
2023-10-10 03:28:06+1000	action	008 to south pit
2023-10-10 06:43:19+1000		no mine equipment running. noise room unmanned. safety stop
2023-10-10 10:56:25+1000		710 ready up
2023-10-10 11:02:20+1000 2023-10-10 11:06:30+1000	action action	008 ready up 110 and rdt ready up
2023-10-10 11:06:30+1000		216 and rdt ready up
2023-10-10 11:11:00+1000	action	626 802 ready up
2023-10-10 11:56:03+1000		exploration drills ready up
2023-10-11 06:51:09+1000	action	ST007 going to 110 digger.
2023-10-11 07:01:31+1000	action	Start 216 circuit.
2023-10-11 07:12:44+1000	action	208,008 started work.

Time	Event Type	Message
2023-10-11 07:19:21+1000	action	110 trucks warm up
2023-10-11 07:20:34+1000	action	start 110 move to bench
2023-10-11 07:30:09+1000	action	start 618
2023-10-11 07:34:20+1000	action	110 trucks to digger
2023-10-11 07:36:04+1000	action	start 802
2023-10-11 07:47:20+1000	action	Mowing in Acland started @ 7:46am
2023-10-11 07:53:59+1000	action	start 611
2023-10-11 07:59:04+1000	action	start 626
2023-10-11 07:59:20+1000	action	start 610
2023-10-11 08:00:22+1000	action	start drill at idle
2023-10-11 08:04:16+1000 2023-10-11 08:06:00+1000	action action	2 pac started at 8am drill start work
2023-10-11 08:00:00+1000	action	4 pac started
2023-10-11 08:11:48+1000	action	start 706
2023-10-11 08:13:50+1000	action	all units running
2023-10-11 08:40:07+1000	action	626 and 618 2nd gear
2023-10-11 09:07:11+1000	action	610,611 into 2nd gear. 110 trucks going to dump 7.
2023-10-11 12:35:20+1000	action	004 staring work.
2023-10-11 14:23:43+1000	action	Drill 23 started work again to do 1 redrill.
2023-10-11 15:49:54+1000	action	Dozers back to 1st gear
2023-10-11 16:08:40+1000	action	Drill 23 stopped tramming.
2023-10-11 17:38:19+1000	action	Drill 23 stopped.
2023-10-11 17:58:59+1000	action	All gear in pit stopped by 6pm, wash plant and 1 pump still running in pit.
2023-10-11 20:09:13+1000	action	evap shut down due to noise
2023-10-11 20:43:24+1000	action	starting 211 in south pit road works 211 PULLED UP AND SHUT DOWN
2023-10-11 21:55:07+1000 2023-10-17 23:51:43+1000	action action	IPT3 pump off
2023-10-17 23:31:43+1000	action	216 414 leave workshop for mve east
2023-10-18 07:03:09+1000	action	214 and rdt ready up
2023-10-18 07:04:51+1000	action	008 ready up
2023-10-18 07:05:27+1000	action	3.7 winds across all compass
2023-10-18 07:15:57+1000	action	609 618 ready up
2023-10-18 07:16:59+1000	action	706 802 ready up
2023-10-18 07:24:06+1000	action	110 wlk onto bench
2023-10-18 07:24:21+1000	action	5.3 winds across all compass
2023-10-18 07:28:37+1000	action	5.1 winds across all compass
2023-10-18 07:28:53+1000	action	evaporators start up
2023-10-18 07:37:43+1000	action	110 and rdt ready up
2023-10-18 07:45:01+1000	action action	pentacon ready up lagoon creek
2023-10-18 07:45:18+1000 2023-10-18 07:53:06+1000	action	4.2 winds across all compass mve west idle back to see wind noise difference
2023-10-18 07:59:51+1000	action	4.5 wind and birds. mve west stopped
2023-10-18 08:11:56+1000	action	110 idle up
2023-10-18 08:18:33+1000	action	625 1st gear mve
2023-10-18 08:18:57+1000	action	4.2 gusting winds across all compass
2023-10-18 08:20:12+1000	action	110 trucks hauling short into dump 2
2023-10-18 08:29:13+1000	action	610 ready up
2023-10-18 08:33:40+1000	action	4.6 gusting winds across all compass
2023-10-18 08:35:21+1000	action	4.2 wind gusts
2023-10-18 08:38:59+1000	action	4.9 winds gusting
2023-10-18 08:39:25+1000	action	110 idle back for watercart
2023-10-18 08:44:59+1000 2023-10-18 08:46:52+1000	action action	110 back to work 4.5 wind gust across all compass
2023-10-18 08:59:43+1000	action	4.7 wind gust across all compass
2023-10-18 09:17:14+1000	action	4.1 wind gust across all compass
2023-10-18 09:37:54+1000	action	4.1 wind gusts
2023-10-18 09:42:51+1000	action	4.2 wind gust across all compass
2023-10-18 09:52:44+1000	action	110 idle back for clean up
2023-10-18 09:55:48+1000	action	4.3 wind gust across all compass
2023-10-18 09:57:57+1000	action	5.2 wind gust across all compass
2023-10-18 10:05:10+1000	action	110 ready up
2023-10-18 10:05:31+1000	action	4.4 wind gusts
2023-10-18 10:06:27+1000		625 610 idle back
2023-10-18 10:29:45+1000	action	4.4 wind gust across all compass
2023-10-18 10:48:28+1000	action action	625 610 1st gear wind interference in the WEST
2023-10-18 10:49:27+1000 2023-10-18 11:40:18+1000	action	all mve stopped for crib
2023-10-18 11:40:48+1000	action	4.6 winds across all compass

Time	Event Type	Message
2023-10-18 11:59:21+1000	action	4.5 wind gust across all compass
2023-10-18 12:28:02+1000	action	4.1 wind gusts
2023-10-18 12:32:43+1000	action	4.6 wind gust across all compass
2023-10-18 12:44:11+1000	action	4.9 wind gusts
2023-10-18 12:56:40+1000	action	110 idle back
2023-10-18 12:58:13+1000	action	216 idle back
2023-10-18 13:02:12+1000	action	4.3 wind gusts
2023-10-18 13:05:59+1000	action	216 back to work
2023-10-18 13:07:37+1000	action	4.7 winds across all compass
2023-10-18 13:11:45+1000 2023-10-18 13:20:10+1000	action action	4.6 winds across all compass
2023-10-18 13:41:43+1000	action	110 working 110 idle back
2023-10-18 13:59:53+1000	action	110 redy up
2023-10-18 14:40:08+1000	action	4.3 wind gusts across all compass
2023-10-18 15:25:33+1000	action	5.1 winds across all compass
2023-10-18 15:28:36+1000	action	611 and 110 idle back
2023-10-18 15:36:08+1000	action	110 going
2023-10-18 15:41:25+1000	action	611 walking east of mve
2023-10-18 17:42:59+1000	action	110 idle back
2023-10-18 18:11:28+1000	action	pit closed. everything stopped
2023-10-18 20:00:52+1000	action	Noise room not manned operator on other tasks. 20.00
2023-10-19 05:13:47+1000	action	5.15 am noise room manned
2023-10-19 06:54:02+1000	action	409 leaving workshop
2023-10-19 06:59:59+1000 2023-10-19 07:01:24+1000	action action	216 and trucks to go 214 start
2023-10-19 07:01:24+1000	action	coal trucks to start
2023-10-19 07:04:47+1000	action	410 to workshop
2023-10-19 07:05:26+1000	action	006 to start
2023-10-19 07:06:55+1000	action	110 to do checks
2023-10-19 07:18:02+1000	action	wind 4.8 m/s
2023-10-19 07:20:08+1000	action	110 to do testing
2023-10-19 07:20:45+1000	action	wind cosistent around 80degrees
2023-10-19 07:24:24+1000	action	wind gusting up to and over 5m/s
2023-10-19 07:28:48+1000	action	Pentacon to start gear
2023-10-19 07:31:01+1000	action	706 to start
2023-10-19 07:35:37+1000 2023-10-19 07:36:51+1000	action action	Wind interference in East mmicrophone
2023-10-19 07:39:37+1000	action	Washplant firing up Wind gusting
2023-10-19 07:42:45+1000	action	609 and 618 to start 02/13
2023-10-19 07:46:07+1000	action	wind gusts up to 5.3m/s
2023-10-19 07:47:43+1000	action	4.2 wind gusts
2023-10-19 07:49:41+1000	action	610 to start
2023-10-19 07:49:51+1000	action	625 to start
2023-10-19 07:54:39+1000	action	4.8 wind gusts
2023-10-19 07:57:36+1000	action	5.1 wind gusts
2023-10-19 07:59:40+1000	action	211 to tram from workshop
2023-10-19 08:02:45+1000	action	wind gusts 5.1 m/5
2023-10-19 08:06:33+1000	action	4.5 winds gust across all compass
2023-10-19 08:06:52+1000 2023-10-19 08:12:16+1000	action action	611 to start 706 to 110 curcuit
2023-10-19 08:13:09+1000	action	wind gusting across site
2023-10-19 08:17:57+1000	action	wind gusting across site
2023-10-19 08:29:01+1000	action	Wind gusts and birds in Acland
2023-10-19 08:30:16+1000	action	4.7 wind gusts
2023-10-19 08:38:35+1000	action	wind gusts across site
2023-10-19 08:49:39+1000	action	Birds and wind Acland
2023-10-19 08:55:39+1000	action	Peacocks extremely noisy Acland
2023-10-19 08:56:34+1000	action	006 to west pit
2023-10-19 09:07:21+1000	action	Wind high 4.9 m/s
2023-10-19 09:09:40+1000	action	611 stopped
2023-10-19 09:10:38+1000	action action	611,610,625 idled back 110 idled back
2023-10-19 09:11:05+1000 2023-10-19 09:15:11+1000	action	706 to start up
2023-10-19 09:13:11+1000	action	110 to start
2023-10-17 07:20:30+1000	action	803 swapping to 802
2023-10-19 09:36:23+1000		408 to 110
2023-10-19 09:37:17+1000	action	407 to replace 408 at 110 , 408 split in tray
2023-10-19 09:40:14+1000	action	802 to 110

Time	Event Type	Message
2023-10-19 09:42:19+1000	action	610 and 625 to start again
2023-10-19 09:55:07+1000	action	Wind dropped slightly
2023-10-19 09:58:40+1000	action	412 down tyre
2023-10-19 10:03:31+1000		Wind gusts up to 5 m/s
2023-10-19 10:11:31+1000		ARL quarterly service on moniters
2023-10-19 10:12:06+1000		Placback at Acland moniter playing up
2023-10-19 10:14:06+1000		611 to start 10.15am
2023-10-19 10:23:26+1000		Wind high again, Acland moniter being serviced
2023-10-19 10:23:50+1000		Wind over 5m/s
2023-10-19 10:26:13+1000		110 and trucks + dozers to stop for Acland moniter service
2023-10-19 10:28:20+1000		706 to move
2023-10-19 10:31:37+1000		Wind 4.1 m/s Acland
2023-10-19 10:33:18+1000		ARL servicing acland compass. 110 and dz stopped
2023-10-19 11:19:43+1000		ARL servicing WEST compass
2023-10-19 11:59:45+1000		4.0 wind gusts
2023-10-19 12:06:01+1000		4.1 wind gusts across all compass
2023-10-19 12:14:54+1000 2023-10-19 13:14:48+1000		5.3 wind gusts 6.7 winds across all compass
2023-10-19 13:56:38+1000		4.9 wind gusts
2023-10-19 16:07:59+1000		4.1 wind gusts
2023-10-19 17:35:31+1000		110 idle back
2023-10-19 19:08:08+1000		server was being updated and unable to use noise panel untill 7.00 pm
2023-10-19 20:01:54+1000		noise room not manned operator on other tasks 20;00
2023-10-20 07:01:09+1000		208 start
2023-10-20 07:01:19+1000		316 start
2023-10-20 07:01:34+1000	action	318 start 7am
2023-10-20 07:01:54+1000		410 leave workshop 7 am
2023-10-20 07:02:08+1000	action	214 start 7am
2023-10-20 07:06:27+1000	action	110 on to bench
2023-10-20 07:12:49+1000	action	008 to start at 110
2023-10-20 07:13:34+1000		214 to start
2023-10-20 07:14:07+1000	action	414 TO 214
2023-10-20 07:15:25+1000		Legra start centre pit
2023-10-20 07:15:41+1000		802 to start
2023-10-20 07:20:33+1000		409 to start up
2023-10-20 07:20:53+1000		211 start up
2023-10-20 07:21:15+1000 2023-10-20 07:27:44+1000		211 trucks to start 618 working
2023-10-20 07:27:44+1000		609 start
2023-10-20 07:29:11+1000		006 start
2023-10-20 07:30:45+1000		611 to start
2023-10-20 07:50:05+1000		Evaporaters on from 8 am gradual start
2023-10-20 07:50:42+1000		Wind gusts across site up to 4.5 m/s @ 67degrees
2023-10-20 07:57:01+1000	action	611 TO IDLE DOWN
2023-10-20 07:58:05+1000	action	110 TO IDLE DOWN
2023-10-20 07:59:31+1000	action	415 IDLE DOWN
2023-10-20 08:02:01+1000	action	110 TO START
2023-10-20 08:05:57+1000		Wind gusting and birds Acland
2023-10-20 09:40:05+1000		611 to start
2023-10-20 17:28:28+1000		802 idle down
2023-10-20 17:29:16+1000		625 idle down
2023-10-20 17:36:20+1000		610 1st gear till past rom
2023-10-20 17:53:24+1000		625 to park up
2023-10-20 17:53:37+1000		802 to park up
2023-10-20 18:03:46+1000		610 pull up
2023-10-20 21:48:46+1000 2023-10-21 07:05:38+1000		Noise room not manned. Operator conducting other tasks 211 214 216 relocating
2023-10-21 07:06:51+1000		006 008 ready up
2023-10-21 07:00:31+1000		802 ready up
2023-10-21 07:13:59+1000		410 412 out of shop
2023-10-21 07:18:30+1000		110 onto bench
2023-10-21 07:18:39+1000		706 ready up
2023-10-21 07:18:48+1000		5.8 wind gusts
2023-10-21 07:34:35+1000		214 trucks to the rom ready up
2023-10-21 07:34:49+1000	action	2x rdt to 110 mve west
2023-10-21 07:54:07+1000	action	4.1 wind gusts
2023-10-21 09:08:17+1000		3rd rdt to 110
2023-10-21 09:08:25+1000	action	625 ready up

Time	Event Type	Message
2023-10-21 19:59:31+1000	action	noise room not manned operator on other tasks 20.00
2023-10-22 07:03:46+1000	action	26 and rdt ready up
2023-10-22 07:03:59+1000	action	216 and rdt ready up
2023-10-22 07:04:15+1000	action	214 relocating mve west to east
2023-10-22 07:04:33+1000	action	411 leaving workshop
2023-10-22 07:04:43+1000	action	4.2 wind gusts
2023-10-22 07:20:01+1000	action	088 006 ready up
2023-10-22 07:21:36+1000	action	4.8 wind gusts
2023-10-22 07:23:39+1000	action	208 reaydy up doing centre crib hut works
2023-10-22 07:23:48+1000	action	706 ready up
2023-10-22 07:27:42+1000	action	802 ready up
2023-10-22 07:28:59+1000	action	611 ready up
2023-10-22 07:50:41+1000	action	625 ready up
2023-10-22 08:06:02+1000	action	211 ready up
2023-10-22 19:56:24+1000	action	legra on great lakes started.
2023-10-22 22:19:47+1000	action	legra Great lakes stopped
2023-10-22 22:31:53+1000	action	Noise room not manned. Operator conducting other tasks
2023-10-23 06:58:25+1000	action	208 ready up
2023-10-23 07:04:49+1000	action	211 relocating
2023-10-23 07:04:59+1000	action	412 from workshop
2023-10-23 07:05:09+1000	action	008 ready up
2023-10-23 07:05:21+1000	action	216 wait on rdt
2023-10-23 07:07:39+1000	action	618 611 609 ready up mve east
2023-10-23 07:17:20+1000	action	110 rdt ready up
2023-10-23 07:20:47+1000	action	706 ready up
2023-10-23 07:20:56+1000	action	006 ready up
2023-10-23 07:21:26+1000	action	211 and rdt mve coal 0105
2023-10-23 07:57:29+1000	action	4.7 winds across all compass
2023-10-23 08:18:33+1000	action	5.4 winds across all compass
2023-10-23 11:47:25+1000	action	s an dk drilling start up
2023-10-23 15:04:40+1000	action	4.3 wind gusts across all compass
2023-10-23 15:56:47+1000	action	dr23 ready up mve
2023-10-23 18:58:17+1000	action	2 pack cannons ready up
2023-10-23 20:02:36+1000	action	great lakes legra started
2023-10-23 21:42:45+1000	action	legra Great lakes stopped
2023-10-23 22:39:18+1000	action	Noise room not manned. Operator conducting other tasks
2023-10-23 22:40:30+1000	action	2 pack cannons stopped at 22:12
2023-10-24 06:59:34+1000	action	Start 216, 410, 411, 412, 208, 316, 318, 626
2023-10-24 07:00:37+1000	action	216, 626 started
2023-10-24 07:00:59+1000	action	Washplant & Evaporators started
2023-10-24 07:01:40+1000	action	Start 609, 618
2023-10-24 07:03:04+1000	action	006 & 008 started
2023-10-24 07:03:36+1000	action	Start 211, 319, 320
2023-10-24 07:07:34+1000	action	Start 023 drill
2023-10-24 07:08:40+1000	action	Start 706, 625
2023-10-24 07:12:38+1000	action	Start 110 & RDTs
2023-10-24 07:26:16+1000	action	Pentacon to start gear
2023-10-24 07:30:35+1000	action	Exploration start work.
2023-10-24 16:41:40+1000	action	Pull up everything, Lightning
2023-10-24 19:09:35+1000	action	18:30 4 pack cannons shutdown
2023-10-24 19:10:12+1000	action	18:40 great lakes legra shutdown
2023-10-24 19:39:45+1000	action	Noise room not manned. Operator conducting other tasks



Appendix C Attended Noise Analysis to Determine Mine Spectra Contribution

New Acland Coal - Stage 3 Noise Survey October 2023

New Acland Coal Pty Ltd

SLR Project No.: 620.10963.01007



1 December 2023 SLR Project No.: 620.10963.01007

Historically, in conducting compliance noise survey's at NAC, SLR has undertaken frequency analysis from representative attended noise measurements where NAC mine noise has been clearly audible (or dominant) to determine those frequencies dominated by NAC contributions and assist in providing a suitable 'filter' for the analysis of the unattended noise logging. These historical attended measurements were typically during the night-time period with low or negligible ambient noise source contribution (ie wind noise, insects, traffic etc).

In-lieu of such attended measurement data being readily available for this October 2023 monitoring period, a frequency analysis was completed on the LAeq,1min one-third spectrums from a number of night-time attended noise measurements associated with the performance monitoring station correlation survey⁴ that, via a detailed review of available one-third octave band data and audio recordings, were determined to represent mine dominant periods. A summary of this analysis is contained within Table C1 (Northern Noise Compass) and Table C2 (Acland Noise Compass).

Table C1 Frequency Analysis of Mine Noise – Northern Noise Compass

	Logarithmic Sum	of Frequency Range	(LAeq,1min dBA)	
Total	20 Hz to 1.0 kHz	20 Hz to 630 kHz	Difference – Total to ≤ 1 kHz	Difference – Total to ≤630 Hz
41.8	41.5	40.7	0.3	1.1
30.6	29.7	28.5	0.9	2.1
35.3	34.8	34.2	0.5	1.1
37.8	37.5	36.7	0.3	1.1
38.2	37.9	37.3	0.3	0.9
38.3	37.9	37.3	0.4	1.0
34.9	34.6	34.1	0.3	0.8
37.2	37.0	36.5	0.2	0.7
30.1	29.5	28.5	0.6	1.6
30.4	29.9	29.1	0.5	1.3
30.5	29.7	28.8	0.8	1.7
28.5	27.6	26.4	0.9	2.1
29.4	28.6	27.6	0.8	1.8
25.9	24.0	23.0	1.9	2.9
26.6	25.1	24.2	1.5	2.4
27.5	26.1	25.0	1.4	2.5
32.0	31.5	30.4	0.5	1.6
35.3	35.0	34.2	0.3	1.1
39.6	38.9	37.1	0.7	2.5
37.3	36.6	34.9	0.7	2.4
43.6	43.2	41.9	0.4	1.7
		Average	0.7	1.6

Note: Numbers have been reported to 1 decimal place to facilitate this frequency analysis discussion.

⁴ The analysis undertaken for the performance monitoring station correlation surveys focused on total mine noise versus mine contribution in the range of 100 Hz to 630 Hz one-third octave band as this is the range that the directional components of the performance monitoring stations measure in. The data from these surveys has been reanalysed to cover the filters applicable to this current study (ie the inclusion of one-third octave bands below 100 Hz).



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w Acland Coal – Stage 3 Noise Survey October 2023 SLR Project No.: 620.10963.01007

Table C2 Frequency Analysis of Mine Noise – Acland Noise Compass

	Logarithmic Sum	of Frequency Range	(LAeq,1min dBA)	
Total	20 Hz to 1.0 kHz	20 Hz to 630 kHz	Difference – Total to ≤ 1 kHz	Difference – Total to ≤630 Hz
33.6	33.1	29.3	0.5	4.3
27.0	26.1	23.3	0.9	3.7
28.6	27.9	24.9	0.7	3.7
28.3	26.9	25.2	1.4	3.1
30.1	29.0	27.0	1.1	3.1
37.5	36.8	34.9	0.7	2.6
33.1	32.7	31.0	0.4	2.1
36.7	35.9	34.5	0.8	2.2
31.1	30.4	28.6	0.7	2.5
30.5	29.8	28.6	0.7	1.9
32.5	31.9	30.3	0.6	2.2
33.6	33.2	30.9	0.4	2.7
33.0	32.5	31.2	0.5	1.8
33.0	32.5	30.7	0.5	2.3
33.9	32.7	30.5	1.2	3.4
34.0	33.4	32.1	0.6	1.9
33.9	32.3	30.9	1.6	3.0
41.0	40.5	39.7	0.5	1.3
33.7	33.0	31.9	0.7	1.8
40.9	40.6	39.6	0.3	1.3
28.2	27.2	26.5	1.0	1.7
30.1	29.3	28.3	0.8	1.8
31.3	30.5	29.2	0.8	2.1
33.6	33.1	31.9	0.5	1.7
34.4	33.7	32.4	0.7	2.0
37.8	37.4	36.0	0.4	1.8
36.1	35.6	34.9	0.5	1.2
30.2	29.5	28.6	0.7	1.6
31.8	31.2	30.4	0.6	1.4
34.7	34.1	33.0	0.6	1.7
		Average	0.7	2.3

Note: Numbers have been reported to 1 decimal place to facilitate this frequency analysis discussion.



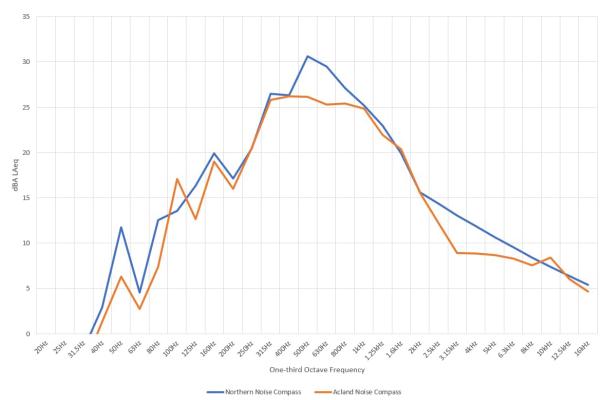


Figure C1 Frequency Analysis of Mine Noise – Average NAC Attributable Noise Spectrum (LAeq,1min) – Northern Noise Compass and Acland Noise Compass

Through the frequency analysis summarised in Table C1 and Table C2, and the above summation of Figure C1, it was considered that filters at ≤630 Hz or ≤1 kHz were suitable to initially filter all the unattended noise data to determine NAC attributable noise.

SLR notes that this current analysis is based on 1-minute Laeq noise levels, however is being applied to 15-minute Laeq noise levels. The range in 1-minute Laeq noise levels are however considered to be representative of the overall Laeq range of NAC attributable noise detected during this October 2023 monitoring round. Further, for generally steady-state mine operations, the 15-minute Laeq noise level would typically be close to the average noise level of the 1-minute Laeq (although with the Laeq being an 'energy equivalent', it becomes elevated above an average noise level where short, high energy events are detected).

To assist this analysis further, the following is noted based on the summaries provided in Table C1 and Table C2:

- There tends to be an inverse relationship between overall mine noise level and correction values for both filters that is where higher mine components were measured, the corrections were lower, and conversely where lower mine components were measured, the corrections were higher. It is the former that indicates the correction values reported and used for this monitoring period as being conservative as NAC mine attributable noise levels approach noise levels of 35 dBA and 42 dBA Laeq (ie the NAC mine noise limits), the correction values are typically at or lower than the average correction values used for this monitoring period.
- The correction values utilised in this monitoring period are based on an average of all individual 1-minute values. When all measured mine component noise levels for a compass location are averaged, and differences calculated (ie correction values), they are equal to or 0.1 dB less than the average of individual 1-minute correction values. This is likely due to negligible variations in rounding. However, when all measured mine component noise levels for a compass location are logarithmically-averaged, and differences calculated (ie correction values), the values are 0.1 dB to 0.4 dB lower than the average of individual



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- 1-minute correction values. Therefore the average approach adopted is considered conservative as it results in higher correction values.
- If a 75th percentile correction value was to be adopted in-lieu of the currently used average, the ≤630 Hz correction values would increase by 0.4 dB to 0.5 dB depending on the referenced noise compass data set, while the ≤1 kHz correction values would be equal to, or increase by 0.1 dB depending on the referenced noise compass data set. With reference to NML1, being the monitoring location with highest NAC mine attributable noise levels detected for this monitoring period, these changes are not considered to materially change the noise levels, nor result in reported noise levels of up to 41 dBA LAeq,15min,adj exceeding the 42 dBA LAeq,15min adj noise limit.

The ≤630 Hz one-third octave band forms the primary filter for all compliance monitoring locations due to mine noise has generally been detectable within this frequency range (or theoretically detectable) noting the distance many locations are setback from NAC. The exception is NML1 where both filters have been considered due to the proximity of this location to NAC operations and that mine noise can be clearly measured at contributing noise levels in the frequency range of 800 Hz and 1 kHz and not solely ≤630 Hz.

In concluding this review, this analysis and associated frequency filter correction values may be reviewed and revised for future monitoring rounds (including when mine operations move to 24-hour operations and rail activities commence), however it is not proposed to reanalyse historical data if and when such conditions change.





Appendix D Attended Noise Monitoring Summary

New Acland Coal - Stage 3 Noise Survey October 2023

New Acland Coal Pty Ltd

SLR Project No.: 620.10963.01007



SLR Project No.: 620.10963.01007

Table D1 Attended Noise Monitoring Results – October 2023

Sensitive	Start	Measur	ed Noi	se Leve	el in dB, 1	5-min	NAC	Description of Acoustic
Receptor Location	Date & Time	LAmax	LA1	LA10	LA90	LAeq	LAeq, adj 15min ¹	Environment
NML1	05/10/23 3:45 pm (DL)	63	59	53	33	49	NAC Inaudible	NAC Inaudible. Constant birdsong and wind in trees dominant. Distant RTN also audible.
	05/10/23 8:15 pm (DL)	61	52	50	25	46	NAC Inaudible	NAC Inaudible. Car idling nearby (resident's car), insects and ducks also audible. Light wind in trees.
	05/10/23 10:30 pm (DL)	59	39	23	18	30	NAC Inaudible	NAC Inaudible. Constant insect noise, and intermittent cow bellows dominant. Occasional light tree movement.
NML4	05/10/23 5:45 pm (DL)	56	48	41	31	38	NAC Inaudible	NAC Inaudible. Distant RTN, insects and birdsong dominant. Light wind in trees also audible.
	05/10/23 6:00 pm (DL)	56	50	43	35	41	NAC Inaudible	NAC Inaudible. Increased insect noise compared to previous measurement. Distant RTN audible, intermittent owl calls and shouting from homestead.
	06/10/23 12:30 am (DL)	53	48	44	39	42	<30 dBA	NAC water evaporation cannon noise just audible in 80 Hz band, contribution less than 30 dBA. Strong wind in trees and frequent dog barking dominant.
NML8	05/10/23 11:15 am (CP)	74	59	49	37	48	NAC Inaudible	NAC Inaudible. Constant wind noise, birds and loud RTN. Occasional creaking noise.
	05/10/23 8:15 pm (CP)	58	54	39	30	40	NAC Inaudible	NAC Inaudible. Constant RTN, wind and structural squeaking noise. Occasional koala and cow noise.
	05/10/23 10:30 pm (CP)	53	49	39	33	38	35 dBA	NAC audible (steady noise from evaporator cannons) calculated contribution of 35 dBA. Constant wind noise. Occasional RTN.



Sensitive	Start	Measu	red Noi	ise Leve	el in dB, 1	15-min	NAC	Description of Acoustic
Receptor Location	Date & Time	LAmax	LA1	La10	LA90	LAeq	LAeq, adj 15min ¹	Environment
NML10	05/10/23	56	45	40	31	38	NAC	NAC Inaudible.
	10:45 am (CP)						Inaudible	Constant light wind noise. Frequent dog noise. Occasional RTN and bird noise. Aircraft passby at 10:45, 10:49 and 10:54.
	05/10/23 7:45 pm (CP)	57	49	42	31	39	NAC Inaudible	NAC Inaudible. Constant RTN and light wind noise. Frequent dog and structural squeaking noise.
	05/10/23 11:00 pm (CP)	54	43	30	23	31	< 30 dBA	NAC audible (steady noise from evaporator cannons) calculated contribution of no more than 30 dBA Constant light wind noise. Occasional RTN.
NML11	05/10/23	64	49	37	27	38	NAC	NAC Inaudible.
	9:30 pm (CP)						Inaudible	Constant light wind noise and distant RTN. Frequent cow bellows. Occasional impact noise. Dog noise at 9:32. Aircraft passby at 9:44.
	05/10/23 10:00 pm (CP)	82	70	40	25	57	NAC Inaudible	NAC Inaudible. Constant RTN. Frequent cow and light wind noise. Occasional talking noise. Aircraft passby at 10:07 pm.
	13/10/23 7:15 am (CP)	68	61	54	45	52	NAC Inaudible	NAC Inaudible. Constant wind and birdsong dominant. Steady state RTN and intermittent dog barking also audible. Helicopter flyover event.
NML15	05/10/23	73	56	43	30	43	NAC	NAC Inaudible.
	9:45 am (CP)						Inaudible	Constant distant RTN, light wind and bird noise. Frequent dog noise. Bike passby at 9:50 am. Aircraft passby at 9:53 am.
	05/10/23	65	51	41	32	40	NAC	NAC Inaudible.
	6:45 pm (CP)						Inaudible	Constant insects, light wind and distant RTN. Occasional dog noise. Horn at 6:49 pm. Car passby at 6:56 pm.
	06/10/23 12:00 am (CP)	55	37	28	21	27	NAC Inaudible	NAC Inaudible. Frequent dog noise. Occasional cow bellow and light wind noise.



Sensitive	Start	Measu	red Noi	ise Leve	el in dB,	15-min	NAC	Description of Acoustic
Receptor Location	Date & Time	LAmax	L _A 1	La10	LA90	LAeq	LAeq, adj 15min ¹	Environment
NML16	05/10/23 10:15 am (CP)	74	67	48	35	52	NAC Inaudible	NAC Inaudible. Constant light wind and bird noise. Frequent cow bellows. Occasional impact noise from localised farming equipment. Aircraft passby at 10:19 am and 10:24 am. Car passby at 10:21 am.
	05/10/23 7:15 pm (CP)	48	37	35	26	32	NAC Inaudible	NAC Inaudible. Constant insects, light wind and distant RTN. Aircraft passby at 7:19 pm and 7:29 pm.
	05/10/23 11:30 pm (CP)	41	30	25	19	23	NAC Inaudible	NAC Inaudible. Occasional cow, light wind and distant RTN. Aircraft passby at 11:38 pm.
NML18	05/10/23 9:15 am (CP)	67	56	45	35	44	NAC Inaudible	NAC Inaudible. Constant RTN, light wind and birds. Frequent sheep noise. Occasional impact noise. Car passby at 9:18 pm.
	05/10/23 6:15 pm (CP)	62	56	50	32	46	NAC Inaudible	NAC Inaudible. Constant insect noise. Frequent RTN, dogs and impact noise. Occasional cow noise. Aircraft passby at 6:16 pm. Car passby at 6:19 pm, 6:26 pm and 6:28 pm.
	06/10/23 12:30 am (CP)	59	50	32	18	35	NAC Inaudible	NAC Inaudible. Occasional bird dog and insect noise.
NML34	05/10/23 4:15 pm (DL)	65	51	46	28	42	NAC Inaudible	NAC Inaudible. Wind in trees, distant RTN and birdsong dominant. Occasional movement from within the homestead also audible.
	05/10/23 7:30 pm (DL)	50	40	31	24	29	NAC Inaudible	NAC Inaudible. Constant insect noise dominant. Distant RTN and wind in trees also audible.
	05/10/23 11:00 pm (DL)	50	29	26	21	24	NAC Inaudible	NAC Inaudible. Distant RTN and light breeze audible.



Sensitive	Start	Measur	red Noi	ise Leve	el in dB,	15-min	NAC	Description of Acoustic
Receptor Location	Date & Time	LAmax	LA1	LA10	LA90	LAeq	LAeq, adj 15min ¹	Environment
NML35	05/10/23 4:45 pm (DL)	72	55	42	26	43	NAC Inaudible	NAC Inaudible. Light breeze in trees, intermittent cow bellows and constant birdsong audible.
	05/10/23 7:00 pm (DL)	51	40	37	32	35	NAC Inaudible	NAC Inaudible. Distant steady state RTN and insect noise dominant.
	05/10/23 11:30 pm (DL)	55	29	27	23	27	NAC Inaudible	NAC Inaudible. Distant RTN and light breeze in trees audible.
NML38	05/10/23 5:15 pm (DL)	65	58	38	26	43	NAC Inaudible	NAC inaudible. Wind rushing through shed, distant RTN and constant rooster calls dominant.
	05/10/23 6:30 pm (DL)	46	42	40	36	38	NAC Inaudible	NAC Inaudible. Wind rushing through shed and distant RTN dominant. Occasional clangs from wind moving metal shed.
	06/10/23 12:00 am (DL)	70	40	38	27	37	NAC Inaudible	NAC Inaudible. Insects noise and increasing noise from strong wind throughout measurement.
Background Location	05/10/23 8:45 pm (DL)	72	39	31	26	38	NAC Inaudible	NAC Inaudible. Insects and intermittent cow bellows dominant.
	05/10/23 10:00 pm (DL)	55	42	37	29	35	NAC Inaudible	NAC Inaudible. Insects, light breeze in trees dominant. Occasional cow bellows also audible.

Note 1: This represents the corrected LAeq attributable to NAC noise including any corrections as noted.





Appendix E Unattended Noise Monitoring Summary

New Acland Coal - Stage 3 Noise Survey October 2023

New Acland Coal Pty Ltd

SLR Project No.: 620.10963.01007



					_																											
End Time	Time Period	Locatio	on Logger	Mine Weath Wind Speed	Wind Desertion	Rainfall	Temp Hur (oC) (%)	Raw midity LAm	v 15-minute nax LAIm	nax EA1	LA10	LAGO LAng	Logsum LA LAsq S1 kHz	q15min totals - for Repor LAeq SE30 Hz 5 (incl +2.3 dB	Lmax Requires Further Review	ŀ	20Hz 25h	issis 1/3 Spectrum fz 31.5Hz 40h	tz SOHz 63H	iz BOHz 10	00Hz 125Hz 160	Hz 200Hz 250	tz 3152tz	400Hz 500Hz	630Hz 800Hz	1kHz 1.25kF	Hz 1.5kHz 2kHz	2.50tz 3.	15kHz 4kH	tr 589tr 6.389tr 8	kHz 10kh	1z 12.5kHz 16kHz
			l i	(KITSTE)	Direction	(1111)	(%)	'					(incl +0.7 di correction)	(incl +2.3 dB correction)		Comments (described to the comment)																
04-10-2023 22-1	Night	NAVE.1	SVAN 977 SN:98419 SVAN 977 SN:98419	18.1	1	0	20	74	59	50 5	4 50	44	48 4	5 4	Check, above 50 dBA	Dockade - wind speed exceedance	13	16 17	19 20	20 21	22 23	24 27	29 32	34 35	37 37 37	38	38 38 37 36	37 36	35	35 33 32 34 32 30		27 19 10 25 16 9
				17.6	360	0	20	76	55	56 5	1 46	40	44 4	4	Check, above 50 dBA Check, above 50 dBA	Wind noise dominant (exclude); wind LAmax	8	10 13	12 13	17 16	19 20	19 22 20 24	25 28	30 31 30 32	33 34		34 33	23 31	32			
04-10-2023 23:1	Night	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	18.4	357 349	0	20	77	55	56 5	2 45	39	43	0 3	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	Exclude - wind speed	- 1	10 11	12 13	14 15	17 18	19 22	24 27	29 31	32 33	33	34 34 33 32	33 32	32	35 30 28 34 28 27	26	23 15 6 22 15 6
04-10-2023 23:4	Night	NAVL1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	12.2	331		19	82	54	55 5	3 50	45	49 2	9 2	Check, above 50 dBA	possum LAmiex	-10	-8 -6 -14 -11	1 2	1 4	5 5	7 10	13 16	18 20	20 20	21 3	21 20	20 20	33	40 25 24 48 21 18	19	12 12 2
				10.4	323 329	0.1	19	81 85	54	57 50 59 5	2 52 1 50	43 33	46	5 2	Check, above 50 dBA Check, above 50 dBA	Irasets LAnsx Irasets LAnsx	-16 -15	-13 -11	4 0	3 -1	3 2 4 3	5 8	9 12 11 15	14 16 18 21	17 13 22 22	23	18 21 25 25	25 21 25 25	37	50 22 20 45 24 23	22 23	15 18 6 20 16 7
05-10-2023 0:3	Night Night	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	7.0	261	0.1	18	95 98	53	52 50 58 50	0 50 2 51	31	47 :	8 1: 7 2	Ok, s50 dBA Check, above 50 dBA Check, above 50 dBA	impact on mic LAmax	-18	-17 -15 -6 -6	3 0	4 1	5 4	5 9	3 5 11 14	8 9 16 18	9 10	19	14 15 22 22	15 12	35	46 15 16 46 19 18	18	12 13 4 14 15 3
				12.0	196	0.6	15	100	59	60 5 63 4	2 50 8 44	36	41 3	5 3 5 X	Check, above 50 dBA	rain noise audible (exclude), impact on mic LAmax Exclude - rainfall exceedance	-5 -12	-6 -4 -10 -7	3 0	5 8	9 9	12 16	19 22 16 20	24 26 23 26	27 28	30	29 28 31 31	27 27 31 30	30	45 25 24 30 28 28		19 15 5 28 27 16
05-10-2023 1:3 05-10-2023 1:4	Night Night	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	13.0	186	1.5 0.5	13	100	61	66 5	3 45 2 51	41 39	46 4 47	1 3	Check, above 50 dBA Check, above 50 dBA	Exclude - rainfall exceedance Exclude - rainfall exceedance	-9	-7 -4 -7 -5	0 3 2 1	3 6	13 14 11 12	16 18 13 16	21 25 18 21	28 31 23 26	32 34 27 25	36 31	37 36 32 31	35 34 29 29	34 40	34 33 33 44 29 29	23	32 27 21 26 26 18
05-10-2023 2:0 05-10-2023 2:1	Night Night	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	10.8	187	0.6	12	100	59	67 53 64 53	2 51	39 46	49 : 50 :	4 3	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	Exclude - rainfall exceedance rain noise audible (exclude), impact on mic LAmax	-16 -13	-13 -10 -11 -9	4 2	-1 2 -1 3	8 8	9 10	14 17 14 18	20 23	25 27	28	31 25	27 27 26 25	45	48 27 28 48 26 27	27	25 23 15 25 20 14
05-10-2023 2:3	Night SNight	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419	10.4	159	0.2	12	100	58	64 5	2 51	31	47 2	9 21	Check, above 50 dBA Check, above 50 dBA	impact on mic LAmax impact on mic LAmax	-15 -18	-12 -10 -15 -13	4 3	-2 1 -6 -2	3 0	0 1	9 13	15 18 7 9	19 21	15	25 24 17 16	21 20 16 15	39 42	42 21 22 45 17 18	17	19 15 9 14 16 8
05-10-2023 3:0 05-10-2023 3:1	Night SNight	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	4.3	118	0	12	100	53	55 5 63 5	2 52 1 50	25 35	49 2	2 11 5 2	Check, above 50 dBA Check, above 50 dBA	impact on mic LAmax possum LAmax impact on mic LAmax	-18 -18	-15 -14 -15 -14	4 4	-6 -1 -1 6	3 -1 4 2	-1 0 2 0	3 8	6 a	13 19	21 :	17 25 21 22	19 15	44	47 17 19 47 19 20	17	12 8 4 15 15 8
				4.0	11 55	0.1	11	100	54	56 5 55 5	51 51	42 29	49 2 47 2		Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA		-17 -18	-15 -13 -15 -14	5 3 7 3	3 1	3 1	0 -1	4 5 -1 0	8 9 2 3	14 19	21 :	18 25 28 27	19 16 22 15	44	47 17 20 45 15 19	18	14 12 5 11 7 2
05-10-2023 4:0	Night Night	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	32	326 299		12	100	52 65	55 5 68 40	3 38	25 25	44 2				-18 -17	-15 -12 -13 -11	4 0	2 1	3 0 11 12	-1 -1 10 19	0 2 24 21	1 4 15 13	15 22	15 18 3	18 28 28 29	22 15 22 15	40 26	42 13 18 25 11 11	16	9 4 1
05-10-2023 4:3	Night Night	NML1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	3.0	334 22		12	100	55 69 55	56 5 72 5	3 51 3 51 3 50	27 26		7 2	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	irascts LAmax birds LAmax	-17	-14 -13 -14 -12	5 4	-2 3 -1 5	5 1	4 2 5 4	3 3	4 6 7 8	15 22 16 24 16 25	21 27	31 29	27 20 38 33	40	44 16 20 44 33 27 42 14 17	18	12 6 2
05-10-2023 5:0	Night Night	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419	5.4	15	0 0	12	100	55 64	56 50 66 50	2 52	37		0 2 3 2	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	birds LAmax birds LAmax	-17 -17	-14 -12 -14 -12	3 0	0 4	7 3 6 4	3 1 4 2	3 G	5 6	16 25	26	33 33 36 35 39 41	39 39	41	42 14 17 44 37 27	15	9 6 3
05-10-2023 5:3 05-10-2023 5:4	Night Night	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	4.3	325 350		12	100	70	73 E2	S 58	39 46	55 3		Check, above 50 dBA		-17	-12 -9 -9 -6	-1 1	1 6	7 6	6 5 11 10	8 10 13 15	12 15 19 19	21 20	32 -	43 45 46 49	49 43 53 44	Ž,	47 46 39 46 47 43		29 22 9 34 27 11
05-10-2023 6:0	1 NgM	NML1	SVAN 977 SN:98419	4.0	346	0	12	100	72	74 62	S 60	46	56 :	2	Check, above 50 dBA	birds LArnax	-15	-11 -7	3 2	4 7	6 5	6 7	9 12	14 18	23 28	35 -	45 49	52 47	46	41 42 39	32	26 20 7
																birds LAmax; mine noise audible. Birds conteminate 800 Hz and 1kHz bands; 630 Hz filter is the most accurate representation of									1 1	1 1						
05-10-2023 6:1 05-10-2023 6:3	S Night D Night	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419	3.6 2.5	334 317 289	0	13	100	77 69	79 E	8 60 1 52	42 34 35	49 :	4 2	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	mine noise contribution birds LAmax	-11	-7 -5 -5 -2	1 3	5 10 6 10	11 14	10 10 11 10	14 16 13 14	20 21 15 19	25 28 24 20 22 21	35	47 50 39 43 44 44	53 46 44 39	35	43 43 39 35 39 36 45 45 43	35 29	29 21 8 25 19 6 33 25 9
05-10-2023 6:4 05-10-2023 7:0	Night Night	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	32	289	0 0	13	26 26	76	79 6 75 62	4 56 5 56	35 34	53 3	5 2	Check, above 50 dBA Check, above 50 dBA	birds LAmax	-13 -14	-11 -7 -10 -5	-2 2	5 10 8 15	14 21	10 8	12 13 12 14	13 17 12 17	22 27	33 -	44 44 45 46	45 40 45 40	42 39	45 45 43 42 45 43	35	33 25 9 32 26 10
			1 7		1 7	ΙŢ			- 1 -				1	1		Issummover starts up at 7:09 am, runs through to 11:00 am. Dominant noise in the range of 50 Hz to 160 Hz and dominates		1 [1 T					1 1 -	1 1		1 T	- 11	\perp		\perp
05-10-2023 7:1 05-10-2023 7:3	Day Day	NML1	SVAN 977 SN:98419 SVAN 977 SN:98419	4.0	332	0	14	90 85	71 78	74 6: 51 6:	3 54 6 59	36 40	55	2 2		Lasq filters plane flyover - 3 min excluded	-12 -13	4 -1 6 0	3 23 2 25	17 28 18 30	17 24 25 30	25 19 33 30	20 19 35 35	18 20 35 35	22 23	28	39 42 45 47	49 41 45 43	35 41	38 38 31 45 46 46	26 35	22 13 3 36 29 12
05-10-2023 7:4 05-10-2023 8:0	Day Day	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	5.4	244 221	0	15	77	76	78 62 72 63	55 54	37 35	53 3 51	9 3 4 3		plane - 5 min excluded	-13 -14	5 0	2 24 4 25	20 30 23 30	23 27 19 29	27 21 30 24	20 19 27 24	18 20 22 24	25 26 26 26	35 -	44 45 35 36	46 42 36 37	30	47 43 41 44 47 43	32	29 22 7 32 26 9
05-10-2023 8:1 05-10-2023 8:3	Day Day	NML1	SVAN 977 SN:98419 SVAN 977 SN:98419	8.5	218	0	16	70	81	84 6- 82 6:	4 57 2 64 3 58	37 41 36	54			plane - 2 min excluded plane - 3 min excluded	-13	5 -1	2 24	18 29 19 26 17 18		29 23 28 25 14 16	26 23 26 26	21 22 25 25 20 21	23 25	30 3 40	37 39 52 51	40 41 51 45 42 39	44	46 49 45	39 43	35 29 12 36 32 15
05-10-2023 8:4 05-10-2023 9:0	Day	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	11.5	213 123 122	0	16	74	74	75 E	3 55	35	53 3	6 3 7 3			-9	-5 -2	1 17	13 22	14 22	14 16	16 19	20 21 22 24	24 25 25 21	33 -	42 42 42 45	42 39	41 37	51 52 49 46 48 44 41 44 42	30	36 32 15 33 26 12 30 25 8
05-10-2023 9:1 05-10-2023 9:3	Day Day	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419	13.0	207	0	17	72 68	72 68	74 62 71 63	S 59	37	54 3 52 3	9 3 8 3		Savermower dominant	-11 -10	3 -1	0 22 1 22	16 25 17 26	14 25 15 25	26 20 27 21	23 23 24 24	24 26 24 26	28 30	33 -	42 43 41 45	44 44 45 42	47 44	46 45 45 43 44 39	30	35 28 12 30 23 8
05-10-2023 9:4	Day	NML1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	12.6	195	0 0	15	64 61	72 66	74 62 69 63	S 50	43 39 38	56 4	0 3i 6 3i		lawrenower dominant lawrenower dominant	-6 -10	4 0	2 24	21 27 18 27 16 27	15 26 22 25	27 21 27 23	23 24	24 25 23 25	27 25 27 28	35 -	43 43 36 39	45 44 41 38	40	48 50 46 41 41 38	41 31	36 29 13 26 20 6
05-10-2023 10:1	Day	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419	10.4	213 205 214	0	15	59	75	78 6: 72 6:	3 55 4 58			6 3		lawymower dominant	4	4 0		16 27 12 22	15 27 14 22	27 20 23 18	24 23 21 22	24 25 23 24	27 25 26	30 3	37 41 41 41	46 40 44 40	41	41 41 38 42 45 42 45 46 46	35	25 20 6 31 25 9 35 29 11
			SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	11.5	215 225	0 0	19	55	63	72 E	2 54 5 57	36 39	51 3	5 X		lawnmower dominant	-7 -8	0 -3 5 -1	2 17 2 23	12 21 16 28	14 21 17 27	21 17 28 21	20 20 25 24	21 23 24 25	24 25 26 28	30 -	41 42 41 44	43 38 44 38	35 40	41 44 41 45 47 45		31 24 7 35 28 11
				13.0	227	0 0	19	53 52	70	73 6: 73 6:	3 53 5 56	37	50 3	6 2		Lawnower cases at 11:02 am	-8	0 0	3 16 4 10	12 20 10 14	16 22	23 20	22 22 19 21	23 25 23 25	26 28 27 28	30 3	35 41 43 43	39 39 43 40	46	40 41 39 43 47 45		29 22 6 33 27 9
05-10-2023 11:4	Day Day	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419	10.8	214 226	0	19	50	71	72 62 54 5	S 58	36 34	54	5 3		helicopter - 3 min excluded	-1	-1 6 -7 -4	12 19	21 28	29 27	25 25 14 16	31 33	35 35 23 25	37 35 27 25	40	43 44 37 51	44 39 42 36	41	45 47 44 43 44 40	37	33 26 10 31 24 13
				10.1	218	0	19	46	70	72 6	0 51	32	48 3	3 3			-12	-8 -4	1 7	10 10	10 10	11 13	14 16	19 21	24 25	28	35 39	42 37	35	39 42 39	31	27 21 5 31 25 8
			SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	9.4	217	0	19	47	67	59 E	1 53	35 36	50	3 3			-11	3 4	3 11	10 13 7 11	11 10	11 13	14 17	20 22	24 25	27 3	33 37	42 37	35	41 45 41 47 50 45	33	29 22 7 34 28 12
05-10-2023 13:1	Day	NML1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	10.2	218	0	20	43	70	71 62 74 62	5 59	35 37	54	4 3		helicopter - 2 min excluded	-4	-2 0	4 8	10 22	18 12	15 16	17 19	21 22	24 25 36 33	29 -	42 45 45 49	45 38 49 40	322	47 50 45 43 45 41	40	34 27 11 29 23 7 33 25 8
05-10-2023 13:4	Day	NAME 1	SVAN 977 SN:98419 SVAN 977 SN:98419	11.2	225	0	20	39	70	71 6:	3 57	37	52 3	4 3			-11	-7 -4 -6 -3	1 4	7 11	11 10	11 13	15 19			29 -	40 46	42 35	35	43 47 43 49 51 48	36	33 25 8 36 30 12
05-10-2023 14:1	Day	NML1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	10.8	230 252	0	20	37	78	80 E2	5 60	39 42 36	56	7 3			-12	8 5	-1 12	20 21	14 22	17 17	16 19	22 23	25 20 24 25 29 27	34 -	39 39 42 44 37 45	47 45 41 35	43	50 51 47	42	36 30 12 36 30 14 31 25 8
05-10-2023 14:4	Day	NML1	SVAN 977 SN:98419 SVAN 977 SN:98419	10.2	235 243	0	20	39	72	75 62 71 5	S 58	37 35	54 3	5 3			-7	5 2	8 13	15 16 8 18	17 13	13 15 14 15	16 19	21 24	27 21	30 3	39 42	38 37	40	47 50 48 46 49 46	41	36 30 13 34 27 10
05-10-2023 15:1	Day	NML1	SVAN 977 SN:36419	9.1	259	0	20	28	81	83 6	4 55	33		4 2			-13	9 -5	-1 3	5 8	9 7	7 10	11 15	17 19	24 24	31 -	45 44	47 38	40	44 46 43	35	32 25 9
05-10-2023 15:4	Day	NAVE.1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	10.1	245 251 235		21	38	71	76 6	2 55	33	51	4 3		person talking - 4 min excluded	-12	3 7	6 10	11 14	21 23	24 27	28 32	38 40 21 22	39 30 24 21	34	37 42 34 39	40 38	41	43 43 39 41 42 35	33	28 22 9 26 19 8
05-10-2023 16:1	Day	NAVE.1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	10.4	239	0	22	36	65	67 S	9 53	35	49 3	6 3			-5	1 1	6 10	17 19	23 27	20 21	23 23	23 26	26 27	29	34 38 35 35	42 39 45 41	40	40 41 35	31	25 20 6 29 22 6
				11.5	215 234 224	0	22	35	79	51 G	1 53	36 34 35	50	3			-15	-10 -7 -10 -7	4 0	3 8	11 12	9 13	15 18	21 23	27 21 24 21 25 25 25	29	37 37	41 39	41	42 44 41 44 44 40 47 43 30	36	31 24 9 26 21 7
05-10-2023 17:1	Day	NAVE.1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	10.1	234	0	22	35	69	71 6	2 55	35	51	2 2			-15	-11 -6	4 0	0 4	7 4	5 8	10 13	16 19	22 24	29	37 39	42 40	41	44 46 43	36	31 25 10
				6.5	239	0	20	39	74	77 6	0 51	32	49	ž .			-15	-10 -8	3 9	15 18	20 18	11 11	10 17	20 23	27 21	30	39 40	42 37	39	37 41 36 44 40 32		27 18 5 27 96 6
			SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	5.1	200	0	19	42	70	71 52	3 49 3 47	31 31 33	47	2 2			-16	-13 -10	-7 -2	-3 0	4 0	2 5	8 11	12 15	23 24	29	40 39 41 42 27 28	41 33	32	31 28 22 44 18 **	17	23 16 6 10 4 1
05-10-2023 18:4	Strening	NAVE.1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	6.1	185	0	17	46	56	58 5	1 50	49	50	1 2			-16	-12 -11	7 4	-2 1	13 17	20 10	10 12	16 19	22 24	24	21 24 21 24	24 20	42	49 21 19 49 21 20	22	11 12 4
				6.1	203	0	16	50	57	50 5	3 53	46	51	2			-14	-11 -2	-1 4	5 5	8 12	9 6	12 12	18 15	15 18	20		19 22	40	50 21 20	23	12 13 2 11 12 5
05-10-2023 19:4	Evening	NML1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	8.2	155	0	16	52	53	55 5	2 52	47 38	50	2			-13	-14 -13 -14 -13	4 3	5 14	15 3	15 13	9 15	20 17 17 17	16 16	15	15 21 15 21	15 14	40	50 19 20 48 18 19	22	10 9 4
05-10-2023 20:0 05-10-2023 20:1	Evening	NAVL 1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	4.3	195 196 201	0	15	55	71 71	75 5	2 52	43 43 28	51			car door closure and movement from person - 4 min excluded car door closure and movement from person - 4 min excluded	6	13 10	10 17	17 16	19 23	22 21	21 24	29 20 29 30	30 22	30	29 30 30 31	30 28	44	49 21 23	23	21 18 12 14 11 5
				5.0	183	0	14	57	60	62 S	4 50	25	47	1 2		car door closure and movement from person - 1 min excluded car door closure and movement from person - 1 min excluded	-15	-6 10	11 16	6 5	12 11	18 16	16 19	24 25 23 26	24 20	27	29 31	29 25	42	44 18 19	17	12 7 2
05-10-2023 21:0 05-10-2023 21:1	Evening	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419	3.6 4.1	185		14	57	47	50 4	1 50	26 25	30 2	9 11 8 2			-17 -16	-15 -13 -14 -10	3 2	3 0	6 1	2 4	6 11	5 6 18 20	8 8 21 22	21	9 15 19 13	9 8	42 21	44 13 17 25 6 7	6	y 6 2 5 3 0
05-10-2023 21:4	Strening	NML1	SVAN 977 SN 98419 SVAN 977 SN 98419	5.8	123	0	13	56	45	53 3	2 33 5 33	24 23	30 2	7 2			-16	-14 -11 -14 -12	-3 7 -5 4	2 4	9 7 10 8	5 6	9 11 10 12	16 18 17 16	23 25	19	1/ 15 15 13	12 12	23	24 8 8 26 9 8	7	5 3 0
05-10-2023 22:0 05-10-2023 22:1	S Night	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419	7.5 5.4	187	0	13	56 54	47 58	59 5	5 29 2 36	21 22	27 1 38	2 2	Check, above 50 dBA	Truck LAmex; truck in Actiond - 3 min excluded	-17 -15	-14 -13 -9 -6	-7 -4 5 18	-5 -2 25 22	4 -3 13 15	-1 0 16 16	2 5 20 27	5 9 29 30	9 8	10 25	12 12 24 21	11 11	22 21	24 9 9 22 8 8	7	5 3 0
05-10-2023 22:3 05-10-2023 22:4	Night Night	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	4.3	194	0	13	55	54 57	72 4	a 34 3 23	19	34	1	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	car door closure and movement from person - 5 min excluded car door closure and movement from person - 1 min excluded	-1	8 12 2 4	1 4	3 7	12 15	17 19 14 13	1/ 20 15 18	24 24 20 23	25 25 24 24	25	27 27 24	20 21 23 23	23	22 16 15 20 18 17	15	13 6 2 10 5 2
05-10-2023 23-1	Minht	NMI 1	RUBN 977 RN-98419	2.9	192	0	12	56	49	68 5 54 3	4 35	17	21 1	7 1	Ok, 550 dBA	car door closure and movement from person - 3 min excluded plane - 3 min excluded	-18	5 15 -14 -14	4 3	-7 -1	15 17	20 -2 0	2 7	30 30 8 7	28 28	25 5	31 32 9 11	30 27 10 10	12	20 18 17 10 9 9	16	12 7 2 6 3 0
05-10-2023 23:3 05-10-2023 23:4	Night Night	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419	2.2 3.6	145	0	12	56 54	45 36	45 40 40 23	3 29 5 21	16 16	19 1	5 1: 6 1:	Ok, s50 dBA Ok, s50 dBA	pane - a mn excluded	-18 -17	-13 -14 -12 -13	4 3	-7 0 -7 -2	23 27 4 -4	5 4	13 12	10 7 7 7	7 7	5 6	7 8 5 7	7 7	9	8 7 7	6	5 3 0 4 3 0
				3.0	153 174	0	12	56	36 59	40 2 61 3	7 20	16	18 1	4 1: 7 1:	Ok, s50 dBA Check, above 50 dBA Check, above 50 dBA	possum LAmax	-17	-14 -14 -14 -14	4 3	-5 -4 -7 5	4 -5 5 -2	6 6 2 1	-3 0 1 5	4 5 5 5	8 5	- 6 7	7 7 8 9	7 7	17	8 7 7 17 18 16	13	5 3 0 7 3 1
06-10-2023 0:3 06-10-2023 0:4	Night Night	NWL1	SVAN 977 SN 98419 SVAN 977 SN 98419 SVAN 977 SN 98419	4.2	155	0	11	59	53 39	56 38 43 2	0 24 7 18	17	18 1	4 1-	Ok, 550 dBA	possum LAmax	-17 -18	-14 -13 -14 -14	4 4	-6 4 -9 -4	5 4	4 -3	5 8	10 10 3 4	9 7	5	9 8	10 12 5 7	18	15 10 8 8 7 7	5	5 3 0
06-10-2023 1:0 06-10-2023 1:1	Night Night	NML1	SVAN 977 SN 98419 SVAN 977 SN 98419 SVAN 977 SN 98419	1.4	111	0	10	61 63	43 38	47 25 42 3	5 20 1 25	16	20 1	9 1	Ok, s50 dBA Ok, s50 dBA		-18 -18	-15 -14 -14 -14	4 4 -7 4	6 4	4 4	7 6	-1 2 5 9	8 8 10 11	13 11	9 8	9 8 10 10	5 7 9 9	8	8 7 7 9 9 9	9	4 3 0 6 3 0
06-10-2023 1:3 06-10-2023 1:4	Night Night	NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	1.1	193 24 82	0	10	64 67	45 36	46 31 39 21	0 21 5 21	16 16	19 1	7 1	Ok, s50 dBA Ok, s50 dBA Check, above 50 dBA		-18 -18	-15 -14 -15 -14 -14 -14	7 4	-7 -3 -6 -3	4 -3	3 4	1 5 6 4	9 10 6 8	9 11 12	11	8 9	5 8 7 7	8	7 7 7 8 7 7	6	5 3 0
				22	107	0	9	67 68	54	57 25 59 40	8 20 0 23		37 2	5 Z	Check, above 50 dBA	bird LAenax bird LAenax	-17 -18	-14 -14 -15 -14	4 4	-9 -3 -5 -4	3 -6	6 6 7 6	7 9 6 7	4 5	6 6 20 18	22	8 10 35 24	8 16 30 23	12	10 8 7 14 10 9	8	5 3 0
05-10-2023 2:3 05-10-2023 2:4	Night Night	NML1	SVAN 977 SN 98419 SVAN 977 SN 98419 SVAN 977 SN 98419	25	114 125	0	3	70 70	47 72	50 4 74 45	1 25 5 28	16	28 2 42 2	5 2	Ok, 550 dBA Check, above 50 dBA	bird LAmax	-18 -18	-15 -13 -14 -14	4 3	-8 -3 -7 -1	4 -5	5 6	-3 1 -1 5	4 6 10 13	18 20	21	16 13 37 40	23 14 31 30	11 25	10 8 8 16 15 12	7 14	13 7 0 7 3 0
06-10-2023 3:0	Night	NML1	SVAN 977 SN:95419	2.5	254		5	77	72	73 4	6 20	16	46 2	2	Check, above 50 dBA	bird LAmax	-17	-14 -14	4 -2	-9 -2	4 -2	7 5	-1 5	6 2	24 24	15	41 42	37 30	25	21 18 13	11	5 3 0

End Time Tir		- It manuar	Mice Weather Date			Day 15 ways	Participal Da	-	E consent the	al Ferio Intala des Reserv	I am the one forther	I	fton Live	otorio I 75 Passado	_														
Pe	iod	Logge	Mine Weather Data Wind Speed Wind (km/hr) Direction	Raintal Temp (mm) (oC)	Humidity	LAmex LAme	E LA1	LA10 LAGO	LAng LAng ST MHz	LAug SK30 Hz	Lrssx Requires Further Review		20Hz 25	timin 1/3 Spectru Hz 31.5Hz 4	OHz 501	Hz 63H	Hz 80Hz	100Hz 1	125Hz 160H	z 200Hz 250H	315Hz 400Hz 50	3Hz 630Hz 800H	fiz 1kHz	1.25kHz 1.5kHz 2kh	tz 2.5kHz	3.150Hz 4kHz	50Hz 6.36H	E BkHz	10kHz 12.5kHz 16kHz
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06-10-2023 3:15 No	NML1	SVAN 977 SN:98419	3.2 21	5 0	7 79	71	72 42	26 1	6 42 2	2	Check, above 50 dBA	Comments (dominant/noteworthy sources). bird LAmex	-17	-13 -12	3	-1	-7 -1	- 4	-1	6 -3	2 0 3	7 23	23 20	39 37	31 2	22	7 14	0 8	5 3 0
06-10-2023 3:30 %	NVL1	SVAN 977 SN:98419	1.1 3	5 0	8 77	45	53 35	20	6 24 1	1	Ok, 550 dBA		-16	-12 -11	-7	0	4 2	5	-2	5 4	0 2 3	4 10	15 2	9 20	13	9	9 10	1 11	9 5 1
06-10-2023 4:00 No	NOVE.1	SVAN 977 SN:98419 SVAN 977 SN:98419	1.1 28	2 0	8 76	5 61	55 44	38 1	6 33 3	2	Check, above 50 dBA		-17	-13 -11	2	2	2 6		0	0 1	3 9 14	16 22	25 22	22 28	22 1	14	1 11	1 11	9 4 1
06-10-2023 4:15 No	HE NIVL1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	1.8 23 2.2 35 2.9 14	8 0 8 0	7 77	73 7	75 57	38 1 38 1	6 47 3 7 33 2	2 2	Check, above 50 dBA Ok. s50 dBA		-17 -17		- 6	-1	4 0	5 5	-2	2 -2	1 3 5	9 25	26 25 26 18 24 20	41 44 22 30	25 9	1 32	10 8	7 6	9 4 1
06-10-2023 4:45 No	NOVE.1	SVAN 977 SN:98419 SVAN 977 SN:98419	2.9 14 4.0 22		7 51	52	54 45 52 50	38 1 43 2	8 33 2 8 40 3	2	Ok, s50 dBA Check, above 50 dBA	Sirds L Arrax	-17 -17	-13 -12	4	-1	4 2	5	-1	1 -2	1 5 9	10 18		25 28	27 2	22	19 14	9 6	4 2 0
06-10-2023 5:15 No	NWL1	SVAN 977 SN:98419	4.0 1	2 0	7 51	63	71 63	58 3	5 53 3	2	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA		-17	-13 -11	4	4	5 5	5 5	10	15 9	2 14 18	15 22	25 31	41 44	45 4	45	16 47 :	8 34	29 22 10
06-10-2023 5:30 No	ht NML1	SVAN 977 SN:98419 SVAN 977 SN:98419	3.2 3	2 0	7 80	74	75 63	57 4	2 53 3 5 57 3	2	Check, above 50 dBA Check, above 50 dBA	birds LAmax birds LAmax	-16	-12 -9	-3	3	2 6	5 8	4	9 7	7 10 12	15 22	28 35	45 46 47 49	54 4	41 41	13 43 -	1 34	20 20 6
06-10-2023 6:00 No	NML1	SVAN 977 SN:98419	2.2	5 0	7 51	77	78 69	62 4	6 58 3	2	Check, above 50 dBA	birds LAmax. Birds LAmax, mine noise audible, Crow calls conteminating the	-15	-11 -7	-1	2	2 5	13	ā	7 7	9 12 15	19 24	27 35	48 53	55 4	42	15 46 -	1 37	33 25 11
												500 Hz and 1kHz band. 630Hz filter is the most accurate																	
05-10-2023 5:15 No	NML1	SVAN 977 SN:98419 SVAN 977 SN:98419	2.5 35 0.7 35	0 20	8 51	72	74 66	59 4	4 56 3	3	Check, above 50 dBA	representation of mine noise Nords I Amer mine noise southte	-15	-10 -6	3	5	9 5	9 9	11	16 12	2 16 18	21 27	32 37	47 51	51 4	41 -	11 40 :	15 30	25 16 5
06-10-2023 6:45 No	NVL1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	0.7 25 2.9 24	1 0 1	11 62	71	74 66	59 4	1 55 3	3	Check, above 50 dBA	birds LAmax birds LAmax, RTN - 2 min excluded	-15 -14	-10 -6	-2	2	6 11	10	8	6 7	1 15 16	20 25	29 36	46 50	51 4	3 41	12 42 3	33	28 19 6
				10 0 1	12 55	71	73 61	52 3		2	Uneck, above 50 dbA			-11 -6	13	3	6 11	111	10	7 8	0 10 13	22 27 20 25 22 25 17 17	20 25	42 43 34 35	37 3	37		19 33 10 32 11 34	30 23 7
05-10-2023 7:30 Da 05-10-2023 7:45 Da	NML1	SVAN 977 SN:98419 SVAN 977 SN:98419	4.7 15 4.0 16	S 0 1	13 50	71 59	74 64	53 3	4 51 3 5 52 3	2			-13 -12	-6 -1	17	3	7 12	14	12	9 9	3 13 16 4 15 18	19 21 22 26	24 25	33 37 35 40	34 3	46 45	15 45 ·	11 34	30 23 9 33 27 8
06-10-2023 8:00 Da	NML1	SVAN 977 SN:98419	3.6 21	2 0 1	15 52	65	70 62	54 3	5 50 3	3			-10 -10	-2 -1	4	8	9 12	13	10	13 13	3 15 18	21 25	26 25	37 40	35 3	37	12 45 -	3 34	31 24 7
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05-10-2023 10:15 On	r NML1	SVAN 977 SN:98419	5.0 0	0 2	21 48	5 77	59 63 79 62	57 4	0 53 3	3		mine noise audible; no corrections applicable	-7	-1 4	10	13	15 20	19	21 2	27	5 26 25	25 25 20	32 34	45 46 42 47	47 3	37	11 44 -	0 33	30 24 12 30 24 14
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05-10-2023 16:00 Da	NMI 1	RUBN 977 RN-98419	8.3 22	S 0 2	26 29	70	72 62	54	4 50 3	2			-13	8 5	-1	2	2 7	8	6	7 10	1 15 17	19 21	23 25	35 35	41 4	40	12 45 -	2 34	30 24 7
06-10-2023 16:15 On 06-10-2023 16:30 On	NOVE.1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	8.3 20 9.0 20 7.2 21	7 0 2	26 30	71	74 63	57 3	6 53 3	2 2			-13 -13	-7 -3	ó	3	4 7	7 3	7	8 10 8 11 7 10	2 15 18 2 15 18 1 15 17	20 21 19 22 19 22	26 28	35 35	30 3 37 4	39 41 7 39	15 40 ·	5 35 6 38	35 29 10
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05-10-2023 18:15 fb	nine MM 1	RUBN GTT RN-GRATG	47 10	5 0 2	23 34	6 59	72 59	42 2	8 46 3 1 46 3	2			-10	-6 -2 -11 -5	-5	-1	-3 2	12	5	5 3	0 17 21 6 8 10	13 20	30 32	32 34 38 43	39 3	35	15 39 : 15 26 :	2 17	25 16 7
06-10-2023 18:30 Ev	ning NML1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	5.4 19 5.8 20	0 2	21 35	71	72 51	50 3	7 45 3 8 46 2	2			-17	-16 -14	-9	-3	3 2	7	1 2	3 7	9 18 21	20 19	29 32	31 40	33 2	30	15 20 °	5 15	8 7 2
05-10-2023 19:00 Ev	ning NML1	SVAN 977 SN:98419	6.8 19 6.8 19	7 0 2	20 31	52	56 42	40 3	8 39 2	7 2			-17	-15 -13	4	-4	-1 1	- 3	1	2 4	7 12 13	16 21	20 15	18 22	19 5	34	57 18	3 13	10 5 2
06-10-2023 19:15 Ev 06-10-2023 19:30 Ev	ning NVL1	SVAN 977 SN:98419 SVAN 977 SN:98419	5.8 19 7.9 15	0 1	19 31	2 43 -	52 41 45 42	39 3 40 3	7 38 2 7 38 2	1 2			-17	-14 -10 -1 -1	-6	5	6 7	1 4	-2	4 5	4 5 7 9 12 12 2 24 22	9 13	12 12	17 23	16 1	34	16 17 16 16	1 11	8 4 1
				0 0	19 37	52 :	53 44 50 42 43 41	41 3	6 38 2 7 39 3			plane - 3 min excluded Wind noise dominant (exclude)	-14	-13 -10	2 2	9	13 21	15	17	19 17 14 17	2 24 22	20 21 25 26 23 24	25 25	19 22 26 25	15 2	23	14 17 12 12 12 12 12 12 12 12 12 12 12 12 12	5 13 11 20	9 4 1
06-10-2023 20:15 Ev	ning NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	2.0	7 0 1	19 52	43	43 41	39 3	5 37 3	3		Wind noise dominant (exclude)	7	-6 -4	- 2	7	5 7	10	12	12 15	8 21 23 6 19 21	23 24	24 22	23 22	22 2	33 33 4 32 4 31	50 21	9 18	14 8 2
				8 0 1	18 53	53 53	90 41 56 39	36 3		2		Wind noise dominant - 2 min excluded	-11	-9 -2	2	7	6 7	3	8 1	10 13	6 18 21 3 15 18	22 23 19 21	20 20	19 19	20 2	2 31	29 19	6 14	11 6 1
05-10-2023 21:00 Ev 05-10-2023 21:15 Ev	ning NML1	SVAN 977 SN:98419 SVAN 977 SN:98419	7.9 7 9.7 8	7 0 1	15 72	57 :	59 50 46 43	40 3 39 3	4 39 3 4 37 3	3		helicopter - 2 min excluded wind noise dominant (exclude)	- 4	3 3	1	10	12 12	17	16	17 21 12 15 12 16	3 27 30 7 19 22	31 30 23 25 24 25	29 27	24 22 25 24	20 2	31	19 19 19 19 19 19 19 19 19 19 19 19 19 1	7 16	12 7 2 15 8 2
			9.4 1 6.8 8	8 0 1	17 75	43 -	46 43 44 41	38 3	3 36 3	3 3		Wind noise dominant (exclude)	-11	4 -2	- 2	7	6 5	10	11	12 16	7 20 22	24 25	26 25	25 24 25 24	23 2	4 30 3 28	27 21 3	19	16 9 2
05-10-2023 22:00 Ev	ning NWL1	SVAN 977 SN:98419 SVAN 977 SN:98419	6.1 8	6 0 1	16 77	48	52 42	37 :	1 34 3	3			-7	-6 -4	1	ĕ	5 8	3	13	15 15	6 18 20	21 22 21 23	23 22	22 21	21 2	29	19	8 17	14 7 2
			11.2 1 11.5 1	2 0 1	15 78 14 78	47 -	45 45 49 45	42 3		3	Ok, 550 dBA Ok, 550 dBA	wind noise dominant (exclude) Wind noise dominant (exclude)	-4	-2 0	4	7	8 11 7 11	12	13	16 18 15 17	0 23 25	25 29		29 28 28 28	27 2	27	25 24 3 25 24	13 22 13 21	16 11 3 17 14 8
07-10-2023 22:45 No	HE NAVE.1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	11.2 3	8 0 1 5 0 9	14 79	51 :	55 48 51 47	45 :	7 42 3	3	Check, above 50 dBA Ok, 550 dBA	wind noise dominant (exclude) wind noise dominant (exclude)	3	4 6	8	11	10 12	15	16	15 21	3 26 26 2 25 27	30 31 29 30	32 33	32 31	30 2 29 2	29	25 27 25 27 25 27 25 27 25 27 25 25 25 27 25 25 25 25 25 25 25 25 25 25 25 25 25	5 24 5 21	21 20 13 19 12 4
07-10-2023 23:15 No	NAME 1	SVAN 977 SN:98419	13.0	8 0 1	14 80	51 :	51 49	45 3	8 42 4		Check, above 50 dBA Check, above 50 dBA	Wind noise dominant (exclude)	3	5 6	-	10	11 12	15	16	15 21 16 20	4 27 29 2 25 27	30 32 29 31	32 33	32 32 35 30	31 3	30	29 28	7 25	21 54 5
07-10-2023 23:45 No	he NML1	SVAN 977 SN-98419 SVAN 977 SN-98419	9.7 8	2 0 1	14 51	63	59 52	41 3	6 43 3	7 3	Check, above 50 dBA	Wind noise dominant (exclude)	4	-1 0	4	9	8 10	14	13	15 18	1 23 25	27 30	30 30	35 36 38 36	23 2 23 2	20 21	25 25 E	23	16 11 3
08-10-2023 0:00 No	HE NUL1	SVAN 977 SN:98419 SVAN 977 SN:98419	9.7 1	9 0 1	13 82 13 82	50 :	50 47 45 42	42 3 38 3	4 39 3 0 35 3	3	Ok, 550 dBA Ok, 550 dBA	wind noise dominant (exclude) Wind noise dominant (exclude)	-5	3 4 -4 -2	7	10	5 5	13	14	16 19	1 24 26 8 20 22	28 29 24 25	29 25 25 25	29 28 24 24	27 2	27 24	2 21	13 22	18 12 4 14 8 2
05-10-2023 0:30 No	HE NAME 1	SVAN 977 SN:98419 SVAN 977 SN:98419	8.6 7 7.2 3	8 0 1	13 82	45	45 40 40 36	35 3 34 2	0 33 3 8 31 2	3	Ok, 550 dBA Ok, 550 dBA		-9 -10	-7 -5 -8 -6	4	7	5 5	9 9	9 7	13 13	5 18 20 4 17 18	22 23 20 21 20 20	23 22 21 20	22 21 19 19	21 2	23 23 21	10 15	7 16	12 6 1
08-10-2023 1:00 No	HE NAVE.1	SVAN 977 SN:98419	7.9 8	0 0	13 83		40 36 48 37 56 43	33 2	7 30 2	2	Ck, s50 dBA Check, above 50 dBA		-11	-9 -6	- 1	- 7	0 6		7	12 10	3 16 17	20 20 21 21 23	20 20	19 18	15 1	21	16 16	5 13	10 5 1
08-10-2023 1:30 No	NAME 1	SUBN 977 SN-98419	7.9 1	7 0 1	13 54 13 64		56 43 44 37	32 2	6 32 3 7 32 3	,	OF STORES	possum LATEX	-15 -11	-12 -11 -9 -7	3	8	3 8	1 2	9	13 13	3 16 18 6 18 19	21 23 22 22	22 21	21 22 20 20	19 1	7 20 2 21	19 15	7 16	10 5 1
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08-10-2023 2:15 No	NML1	SVAN 977 SN:98419	4.7 5	B 0 1	12 86	65	52 32 57 35 74 53	30 3	4 36 2	2	Check, above 50 dBA	bird LAmax - 1 min excluded	-17 -13	-13 -12	1	ă	-1 0	1 1	6	3 9	2 14 14	19 22	17 25	34 21	25 2	20	15 14	2 11	5 4 1
08-10-2023 2:30 No	he NUL1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	43 S	0 1	12 87	71 71	74 63 72 57	32 2	4 48 2 5 44 2		Check, above 50 dBA Check, above 50 dBA	hird call close to mic - 2 min sycluded	-13	-10 -9	2	9	0 2	3	6	13 9	2 14 15	19 25	28 19	43 36	36 3	2 23	24 20 20 20 20 20 27	5 12	8 4 1
05-10-2023 3:00 No	N NML1	SVAN 977 SN:98419 SVAN 977 SN-98419	5.0 1	9 0 1	12 87	53	71 44	30 2	4 43 3	2	Check, above 50 dBA	bird LAmax bird LAmax	-16	-13 -11	3	9	3 8	5 9	5 7	12 5	0 12 14	19 25	23 20	39 36	37 2 21 2	23	20 16	4 11	7 3 1
08-10-2023 3:30 Ng	NOVE.1	SVAN 977 SN:98419	7.2	7 0 1	12 86	58 68	59 43	34	5 42 3	3	Check, above 50 dBA Check, above 50 dBA	bird LAmax	-15 -13		4	7	0 5		8	2 9	2 14 15	19 26	23 21	39 35	34 2	25	20 17	4 12	9 4 1
08-10-2023 4:00 No	NAME 1	SVAN 977 SN:98419	6.1 8	2 0 1	12 86	63	70 42	36 2	4 42 2	2	Check, above 50 dBA Check, above 50 dBA	bird LArnax	-13 -17	-14 -13	2	á	-2	1 8	4	11 6	9 11 12	19 29 17 23	24 16	37 36	35 2	7 22	16 15	3 10	8 4 1
08-10-2023 4:15 No 08-10-2023 4:30 No	NUL1	SVAN 977 SN:98419 SVAN 977 SN:98419	6.1 Z	0 1	12 85	71	40 40 73 59	36 2	2 31 2 2 45 3	2	Check, above 50 dBA	bird call close to mic - 1 min excluded	-15 -17	-13 -12 -14 -14	0	4	-2 6	5 6	5 5	10 5	9 11 11	17 19	24 17 26 24	18 27 44 35	22 1	16	19 12	3 10	7 3 1
08-10-2023 4:45 No	NAME OF THE PARTY	SVAN 977 SN:98419 SVAN 977 SN:98419	5.8 3	3 0 1	12 57	7 64 1	57 55 73 59	40 2 47 3	2 41 3	2	Check, above 50 dBA	birds LAmax bird call close to mic - 2 min excluded	-17 -17	-14 -14 -15 -14	2	5	-3 6		5 1	11 6	9 11 11	16 19	26 25	29 30 42 41	36 3	34	12 30 3 29 25	94 13	11 5 1
08-10-2023 5:15 No	NWL1	SVAN 977 SN:98419	4.7 8	2 0 1	12 88	73	74 54 75 67 78 56	58 3	ă 54 <u>1</u>	Í	Check, above 50 dBA	bird call close to mic - 2 min excluded			2	á	1 6	1 2	6	2 7	0 11 17	44 74	27 20	44 44	45 4	2 66			30 22 9
08-10-2023 5:30 No	HE NOVE.1	SVAN 977 SN-98419 SVAN 977 SN-98419	5.4 8 5.8 3	S 0 1	12 89 12 89	72	75 67 78 66	59 4 57 4	2 56 3 3 55 3		Check, above 50 dBA Check, above 50 dBA	bird call close to mic - 2 min excluded bird call close to mic - 3 min excluded pigeon 400Hz tone; birds LAmax - 3 min excluded	-15 -15	-11 -9 -11 -9	2	7	0 7	1 10	6	13 9	1 14 15 1 15 26	19 28 19 21	28 33 27 32	47 49 43 47	50 4	3 39	14 45 ·	14 37 12 36	33 27 9 31 25 10
08-10-2023 6:00 No	NWL1	SVAN 977 SN 98419	4.0 5	0 1	12 87	63	72 54	56 4	0 53 3	3	Check, above 50 dBA	birds LAmax	-17	-12 -11	4	9	1 6	9	7	10 7	0 13 17	19 26	27 28	40 45	49 4	42	59 41 3	17 30	24 15 4
1		1		1 1	1				1 1	1		helicopter; birds LAmax. Note birds contaminate 500Hz and 1kHz bands; 630Hz filter is considered more accurate for detecting mine				- 1		1		1 1							1 1	1	
08-10-2023 6:15 No	HE NOVE 1	SVAN 977 SN:98419 SVAN 977 SN:98419 SVAN 977 SN:98419	3.2 11 6.8 8	0 0 1 5 0 1	12 87	70	73 64	58 4	2 54 2 3 56	1	Check, above 50 dBA Check, above 50 dBA	noise 2 min excluded bird call close to mic - 2 min excluded	-14	-2 3 -10 .s	7 2	11	11 10	17	16 3	25 25	9 21 22	22 25 20 27	29 33 29 W	45 49 48 51	49 4 50 4	39	13 44 ·	35	31 24 8 35 26 10
08-10-2023 6:45 No	NML1	SVAN 977 SN 98419	9.4 1	9 0 1	14 77	70	72 52	55 4	1 52 3	3	Check, above 50 dBA	bird call close to mic - 2 min excluded wind noise dominant (exclude); birds LAnsx	-4	5 3	3	7	6 10	11	13	14 16	9 22 24	26 27	29 31	40 43	45 3	39	12 43	19 34	30 22 7
08-10-2023 7:00 No 08-10-2023 7:15 Da	NAVL1	SVAN 977 SN 98419 SVAN 977 SN 98419	8.6 8 11.2 9	6 0 1	15 74	73 78		55 4 55 4	2 53 3 3 53 4	4	Check, above 50 dBA	Wind noise dominant (exclude)	-4	-3 0 3 5	8	10	9 11	13	14	16 19 19 21	2 24 26 4 27 30	25 30 32 33		39 45 41 42	49 4	37 42		10 33 14 32	
08-10-2023 7:30 Da	NML1	SVAN 977 SN:98419 SVAN 977 SN:98419	11.5 5	0 1 H 0 1	16 69	65	70 61	54 4	4 51 4 6 53 4	4		Wind noise dominant (exclude) wind noise dominant (exclude)	4	10 11	12	11	13 15	17	21 2	19 23 22 25	6 28 31 8 31 33	33 34 35 36	35 36	42 43 42 45	45 4 46 4	41 .	17 38 : 12 42 :	IS 30	25 18 7 29 22 10
08-10-2023 8:00 Da	NML1	SVAN 977 SN 98419	11.5	0 1	17 64	65	58 60	55 4	3 51 4	4		Wind noise dominant (exclude)	2	4 5	.7	11	13 15	18	21	20 22	5 27 29	31 33	34 35	40 43	45 4	39	19 39	16 30	30 19 7
	(rem.)	parameter animalis		-, -, -,	61		66		-,			and (manual)		-11 (3)	-71	101	.01 13			-1 -01			35		-1 -1			., .,	ag 12

End Time Location Logger Mine Weather Period Wind Speed II	Data	Ray 15-mi	rute Statistical Almax LA1	Dots	Logsum LAe	15min totals - for Report	Lmax Requires Further		Raw LAss	15min 1/3 S	pectrum													$\overline{}$
End Time Time Location Logger Mine Weather Wind Speed I (kmhr)	Vind Rainfall Temp Humidity Direction (mm) (oC) (%)	/ LAmex L	Almax LA1	LA10 LA90	LAsq Lasq S1 Mtz (incl +0.7 dB	LAeq S630 Hz (incl +2.3 dB	Lmax Requires Further Review		20Mz 2	SHz 31.5	pectrum Hz 40Hz 50	Hz 63Hz	SOHz 100H	tz 1257tz	160Hz 200Hz 250H	315Hz 400Hz	500Hz 630H	z 800Hz 1kHz 11.25kł	rtz 1.6kHz 29	0tr 2.50tr 3.1	SMr Whr	Skitz 6.3kitz	INHZ TONHZ	12.5kHz 16kHz
					correction) 0.	correction)		Comments (dominant/noteworthy sources).																
08-10-2023 8:30 Day NML1 SVAN 977 SN:98419 13.3 08-10-2023 8:45 Day NML1 SVAN 977 SN:98419 11.2 08-10-2023 9:00 Day NML1 SVAN 977 SN:98419 12.8	85 0 18 6 82 0 18 5	50 78 58 74	80 0 76 0	5 58 4 5 59 4	5 55 4 5 55 4	42		wind noise dominant (exclude) wind noise dominant (exclude)	4 5	7	7 9	12 14	18	20 21	21 24 2 20 23 2	7 30 32 6 29 31	34	25 37 38 · 34 35 37 ·	43 45 45 47	45 49 47 43	46 46 44 45	45 45 47 43	37 34	27 14 25 11
05-10-2023 9:00 Day NML1 SVAN 977 SN-98419 12.6 05-10-2023 9:15 Day NML1 SVAN 977 SN-98419 13.7	103 0 19 5	56 70	72 0	0 53 4	5 51 4	43		wind noise dominant (exclude)	7	10	10 11	13 15	15	21 23	24 25 2 22 25 2	5 31 33 9 31 33	35	36 37 38 ·	41 43	45 40	40 38 40 43	38 37 41 36	32 27	20 9
08-10-2023 9:30 Day NML1 SVAN 977 SN:98419 15.5	99 0 19 5	54 66	69 5	9 55 4 2 57 4	6 51 4 5 51 4	43		wind noise dominant (exclude) wind noise dominant (exclude)	7	9	10 11	14 15	15	20 21	22 26 2 22 25 2 21 25 3		34	36 37 38 ·	41 46	44 41 47 43	39 37	38 33 44 40	31 26	19 9
06-10-2023 9:45 Day NML1 SVAN 977 SN:98419 13.0 06-10-2023 10:00 Day NML1 SVAN 977 SN:98419 13.0 06-10-2023 10:15 Day NML1 SVAN 977 SN:98419 12.2	91 0 20 5 101 0 20 4	50 70	73 6	S 59 4	4 55 4	42		wind noise dominant (exclude)	6	7	9 10	12 15	16	19 20	20 24 2	7 29 31 6 28 30	33	95 36 38 - 94 34 37 -	46 48	45 44 45 40	47 42 43 42	40 37 43 40	32 25 35 29	20 9 22 9
06-10-2023 10:30 Day NML1 SVAN 977 SN:98419 12:2	106 0 21 4	47 67	69 (2 56 3	9 52 3	37			-4	-2	0 5	8 14	15	21 19	17 20 2	2 24 27	29	31 33 -	40 40	43 38	40 44	47 42	37 30	23 9
08-10-2023 10:45 Day NML1 SVAN 977 SN:98419 10.1	84 0 22 4	44 71	73 (5 60 4	3 56 4	39		mine noise audible with wind co-dominant; plane flyover - 3 min excluded	2	3	5 7	9 10	15	19 24	21 23 2	5 27 29	30	33 36 -	45 47	49 42	43 45	50 46	41 34	28 12
								mine and wind noise co-dominant; note birds contaminating 800Hz and 1kHz bands, 630Hz filter is the most accurate representation																
08-10-2023 11:00 Day NWL1 SVAN 977 SN:98419 12:2	80 0 21 4	44 74	76 (6 56 3	9 54 3	39		and 1kHz bands, 630Hz filter is the most accurate representation of mine noise contribution for this and surrounding periods	-3	-1	2 5	9 10	15	19 20	20 21 2	4 25 28	30	12 32 32 :	35 42	50 42	30 43	47 44	35 33	26 9
08-10-2023 11:00 Day NML1 SVAN 977 SN:98419 12:2 08-10-2023 11:15 Day NML1 SVAN 977 SN:98419 9.4 08-10-2023 11:30 Day NML1 SVAN 977 SN:98419 9.4	87 0 22 4 96 0 22 4	43 66 40 69	58 6 72 6	0 53 4 3 53 3	0 49 4 8 50 3	39		mine and wind noise co-dominant	0	2	3 6	9 11 8 10	15	18 17 15 17	19 20 2 17 19 2	3 26 28 2 25 26	30 29	33 32 33 30 31 31	34 36 34 35	40 39 42 38	41 40 43 41	43 40 44 42	32 29	22 8 25 8
08-10-2023 11:45 Day NML1 SVAN 977 SN:98419 10.1	67 0 22 4 82 0 22 4	41 65	70 6 68 5	3 57 3	9 53 3 6 47 3	37		vehicle in Acland - 3 min excluded	- 4	-3	3 6	13 21	18 13 11	22 26 15 25			29 27	20 30 30 3	42 43	45 40 41 38	39 44 36 38	47 43	36 31	25 9
08-10-2023 12:00 Day NML1 SVAN 977 SN-98419 10.8 08-10-2023 12:15 Day NML1 SVAN 977 SN-98419 10.1 08-10-2023 12:30 Day NML1 SVAN 977 SN-98419 13.0	102 0 22 3	38 69	71 0	1 52 3	7 49 3	36			-1	0	2 4	7 8	11					29 30 30	35 43	41 38	44 37 36 42	40 37 39 36	31 25 27 25 36 37	
06-10-2023 12-45 Oky NML1 SVAN 977 SN:98419 10.8 06-10-2023 13:00 Oky NML1 SVAN 977 SN:98419 11.9	101 0 22 3 104 0 23 3	38 74	75 0	4 57 4 2 55 4	1 54 4	35		Wind noise dominant (exclude)	-4 -2	2	3 5	9 11	13 18 15	18 18	16 19 2 17 20 2 19 22 2	2 26 27	30	32 33 34 -	40 42 37 41	47 43 45 42	44 45 42 42	46 43 47 43 44 40	37 33	25 9 25 9 22 8
08-10-2023 13:15 Day NML1 SVAN 977 SN:98419 11.9		38 67	69	8 52 3		37			-3	-1	1 5	8 8	13	15 16	16 19 2	1 24 25	29	90 31 32	34 34	35 35	35 42	43 41	34 29	22 8
06-10-2023 13:30 Day NML1 SVAN 977 SN:98419 9.7 06-10-2023 13:45 Day NML1 SVAN 977 SN:98419 12.6	110 0 23 3	36 68	69 6	0 53 3	6 45 3 9 49 3	37			4	-2	0 4	7 13	12	17 15	16 19 2 21 22 2	2 24 25 5 24 25	28	29 30 30		35 33 40 37	30 41	37 33 43 40	27 26 32 29	20 13 22 7
08-10-2023 14:00 Day NML1 SVAN 977 SN:38419 10.8 08-10-2023 14:15 Day NML1 SVAN 977 SN:38419 9.0 08-10-2023 14:30 Day NML1 SVAN 977 SN:38419 11.2	103 0 23 3 92 0 23 3	34 71	73 (6 60 4 3 57 3	2 56 4	36		plane - 2 min excluded	9	-4	1 3	5 9	17	16 15	19 18 2 23 22 2	2 24 25 1 24 25 4 26 27	27 29	20 30 34 37 4 30 31 37 4	45 49	45 42 30 39	40 46 40 45	49 45 47 43	30 34	27 12 26 10
08-10-2023 14-35 Day NWL1 SVAN 977 SN:98419 11.5	87 0 23 3	33 66		3 57 3 11 55 3	8 51 3	36		pane - 2 mn excuses	-4	-1	1 4	6 7	14	19 15	16 18 2 16 18 2	1 23 25	25	90 30 30 30 30 30 30 30 30 30 30 30 30 30	36 35	35 40 42 35	35 43	47 43 46 41	37 31	
06-10-2023 16-15 Day NML1 SVAN 977 SN-96419 11.5 06-10-2023 15:00 Day NML1 SVAN 977 SN-96419 9.4 06-10-2023 15:15 Day NML1 SVAN 977 SN-96419 8.3	123 0 23 3 97 0 23 3	34 65	70 0	3 52 3 3 53 3	7 49 3 7 51 3	37			-3	-1	-1 2	7 7	10	17 20	14 16 1	1 24 25 9 23 24	25	31 33 - 30 31 32 -	45 43	44 35	35 38 38 37	39 36 41 39	30 24 30 28	18 5 21 5
08-10-2023 15:30 Day NML1 SVAN 977 SN-98419 9.0 08-10-2023 15:45 Day NML1 SVAN 977 SN-98419 9.7 08-10-2023 15:00 Day NML1 SVAN 977 SN-98419 6.5	97 0 23 3 95 0 22 3 90 0 23 3	35 72		9 51 3 4 55 4 6 62 3	48 3 0 52 4	36		Wind noise dominant (exclude)	-3	-1	2 6	8 9	11 12 12	18 20	14 17 2 16 19 3 16 19 3		30	29 31 32 3 31 32 34 - 32 33 35 5		35 35 43 38 51 42	36 39 39 43 41 44	40 37 45 43 46 45	30 25 35 32 36 32	
08-10-2023 16:15 Day NML1 SVAN 977 SN:98419 13.3	77 0 22 3	36 54	86 6	3 55 4	u 57 4 3 59 4	35 42		wind noise dominant (exclude) wind noise dominant (exclude)	3	5	5 10	8 9 10 12	12	13 17 20 20	16 19 2 20 23 2	4 26 27 5 29 31	29 33	26 35 41	51 54	55 42	41 44 45 45	46 45 45 45	37 32	24 9
08-10-2023 16:30 Day NML1 SVAN 977 SN:98419 10.1 08-10-2023 16:45 Day NML1 SVAN 977 SN:98419 8.6	69 0 22 3 62 0 22 3	37 70 38 71	72 0 73 0	2 51 3 2 53 3	8 49 3 8 51 3	35		Wind noise dominant (exclude)	-1 -4	-3	2 7 -1 3	7 8 5 6	12	16 18 16 13	18 19 2 16 17 2	1 25 26 0 24 26	29 29	31 31 31 30 29 31	36 39 39 40	44 35 43 37	36 40 43 42	41 39 45 42	33 29 34 29	
08-10-2023 17:00 Day NML1 SVAN 977 SN:98419 9.0	71 0 21 4	40 69	71 (3 55 4	1 52 2	30		wind dominant with mine noise audible; plane flyover and wind gusts - 3 min excluded	-3	-3	-1 4	6 13	16	18 16	22 25 2	2 26 27	30	12 32 34	43 45	47 39	39 39	38 36	30 25	17 6
06-10-2023 17:15 Day NML1 SVAN 977 SN:98419 14.4 06-10-2023 17:30 Day NML1 SVAN 977 SN:98419 14.6 08-10-2023 17:45 Day NML1 SVAN 977 SN:98419 14.0	52 0 20 4 46 0 20 5	47 79 51 70	71 1	0 53 4 9 53 4	4 51 4 2 50 4	42 42		wind noise dominant (exclude) wind noise dominant (exclude)	7 6	9 8	10 11	12 14 12 14	17 17 20	19 19	21 24 2 21 24 2 23 26 2	7 30 32 7 30 32	34 34	25 25 36 3 25 36 37 3 26 37 38 -		45 38 41 40 44 41	35 40 42 39	43 39 40 38 43 40	36 32 33 29 36 32	24 12 22 10 25 13
08-10-2023 17-45 Day NWL1 SVAN 977 SN-98419 14.0 08-10-2023 18:00 Day NWL1 SVAN 977 SN-98419 14.8	60 0 19 5	58 74 51 72	76 0 75 0	2 53 4 0 51 4	3 52 4 2 49 4	43		wind noise dominant (exclude) wind noise dominant (exclude)	12	15	16 17 5 10	18 19	20	23 22 17 18				35 37 38 · 33 34 35	39 40	39 39	40 42 39 42	43 40 41 39		25 13 22 8
08-10-2023 18:00 Day NML1 SVAN 977 SN-98419 14.8 08-10-2023 18:05 Evening NML1 SVAN 977 SN-98419 13.7 08-10-2023 18:30 Evening NML1 SVAN 977 SN-98419 14.4	71 0 15 6 73 0 17 6	53 73 55 73	75 6 74 6	1 49 3 0 45 4	9 49 4	39		wind noise dominant (exclude) wind noise dominant (exclude)	1 5	3	5 8	10 11	15 14 15	15 16	19 22 2 17 20 2 18 21 2	3 26 28 4 27 29	30 32	33 34 34 · 34 35 34 ·	43 44	43 37 39 36	35 33	32 30 29 28	27 22 26 22	15 5 15 6
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08-10-2023 19:00 Evening NML1 SVAN 977 SN-98419 13.0 08-10-2023 19:15 Evening NML1 SVAN 977 SN-98419 16.2 08-10-2023 19:30 Evening NML1 SVAN 977 SN-98419 14.4	71 0 16 7	74 54	55 5	2 51 4	6 50 4 4 40 4	42		Wind noise dominant (exclude)	7 6	9	10 11	13 14	16	18 20	21 25 2	7 30 32	34	54 35 35 25 36 36	36 36	33 32 35 34	41 47	31 30	29 25 27 23	18 8
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06-10-2023 20:15 Evening NML1 SVAN 977 SN:98419 11.9 06-10-2023 20:30 Evening NML1 SVAN 977 SN:98419 10.8	68 0 15 7	78 52	53	0 49 3	7 45 3	36		wind noise dominant (exclude)	0	2	2 5	8 8	12	13 14	16 19 2	1 24 25	25	29 30 30 3	29 29	25 27 25 26	39 43	25 24	22 19	12 4
	66 0 14 7 61 0 14 7	79 43	46 4		0 41 3 2 35 3 3 36 3	34		Wind noise dominant (exclude)	- 4	-3	-2 2	6 4	10	9 11	14 15 1	b 20 22		8 25 25	24 23	22 22	27 25	20 19	18 15	8 2
06-10-2023 21:00 Evening NML1 SVAN 977 SN:36419 9-4 06-10-2023 21:15 Evening NML1 SVAN 977 SN:36419 7-2 08-10-2023 21:30 Evening NML1 SVAN 977 SN:36419 9-0 06-10-2023 21:45 Evening NML1 SVAN 977 SN:36419 9-7	55 0 14 8	50 42	44 4	2 38 3 0 37 3 4 40 3	2 35 3	32		Wind noise dominant (exclude)	-7	- 5	3 1	6 4	10	9 10	15 16 1 14 15 1	8 20 22 0 23 25		25 25 25 25 25 25 25	24 23	23 23 23 22	25 22	20 19	18 14	
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08-10-2023 22:00 Evening NML1 SVAN 977 SN:98419 12:2 08-10-2023 22:15 Night NML1 SVAN 977 SN:98419 13:7	64 0 14 E 67 0 14 E	51 52 51 45	49 4	8 45 4 7 45 4	0 43 4	39	Ok, s50 dBA	wind noise dominant (exclude) Wind noise dominant (exclude)	3	4	5 7	11 12	14	15 17	18 22 2 19 22 2	4 27 29 5 27 29	31	12 33 33 13 33 33	23 23	32 31 32 31	30 29	29 27 28 27	25 22 25 22	14 5
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08-10-2023 23:30 Naght NML1 SVAN 977 SN:98419 10.4 08-10-2023 23:45 Naght NML1 SVAN 977 SN:98419 9.7 09-10-2023 0:00 Naght NML1 SVAN 977 SN:98419 11.2	55 0 14 8 56 0 13 8	54 44 53 49	45 4 50 4	5 39 3	4 36 3 3 37 3	33	Ok, 550 dBA Ok, 550 dBA Ok, 550 dBA	wind noise dominant (exclude) wind noise dominant (exclude)	4	-2	-2 3 -1 3	7 5	10	10 11	15 16 1 15 17 2	9 21 23 0 22 24	25 26	25 27 25 27 27 28 27	26 25 27 26	25 24 25 24 26 25	24 23 24 23	22 21	19 15 19 16	9 2
09-10-2023 0:00 Night NML1 SVAN 977 SN:98419 11.2 09-10-2023 0:15 Night NML1 SVAN 977 SN:98419 9.7	72 0 14 8	83 45	46 4	3 40 3	3 37 3			wind noise dominant (exclude) Evaporation cannons audible, wind noise also (including gusts) - 1 min excluded	-2	-1	0 4	8 6	10	11 12	16 17 2	0 23 24	26	27 28 25	27 26	26 25	25 23	23 22	20 16	10 2
09-10-2023 0:15 Neght NML1 SVAN 977 SN:98419 9.7 09-10-2023 0:30 Neght NML1 SVAN 977 SN:98419 9.4	74 0 13 8	54 47 54 55	49 60	9 34 2 7 33 2	8 32 3 8 31 2	29	Ok, s50 dBA Check, above 50 dBA	min excluded possum LAmax; Evaporation cannons audible	-10 -13	-8 -11	-6 2 -9 1	9 1	5	7 8	14 13 1 13 12 1	6 18 19 4 17 18	22	22 22 22 21 21 20	21 20	20 19 19 18	21 18	17 16 16 15	14 11	5 1 22 14
09-10-2023 0:45 Night NML1 SVAN 977 SN-98419 7.2	66 0 13 E	84 39	42 :	3 30 2	6 28 2		Ok, s50 dBA	possum Limix: Evaporation cannons audible Evaporation cannons audible, masked by wind noise at times (this continues for the duration the cannons are audible for	-14	-12	-10 1	7 -1	8	6 6	14 10 1	3 16 16	20	17 17 16	16 16	15 15	19 15	13 12	11 8	4 1
09-10-2023 1:00 Night NWL1 SVAN 977 SN:98419 6.1 09-10-2023 1:15 Night NWL1 SVAN 977 SN:98419 5.8	64 0 13 8 60 0 13 8	55 44 56 33	49 : 35 :	4 31 2 1 30 2	5 29 2 5 28 2	28	Ok, 550 dBA Ok, 550 dBA Ok, 550 dBA	Evaporation cannons audible Evaporation cannons audible	-13 -15	-10 -12	-9 3 -9 2	8 2 7 2	5	7 7 6 6	14 11 1	4 16 17 3 15 16	20 19	19 19 18 17 17 16	17 17	17 16	18 16	15 14 13 12	12 9 11 8	4 1
09-10-2023 1:15 Night NML1 SVAN 977 SN:38419 5.8 09-10-2023 1:30 Night NML1 SVAN 977 SN:38419 5.8 09-10-2023 1:30 Night NML1 SVAN 977 SN:38419 5.8	62 0 13 8 71 0 13 8	55 46 55 59	51 : 62 -	3 29 2 0 35 2	3 27 2 3 31 2	27	Check, above 50 dBA	Evaporation cannons audible possum LAmax Evaporation cannons audible	-14 -17	-11 -13	-5 3 -9 2	8 5	9 7	7 6	13 9 1	2 14 14 1 13 16	18	15 15 15 15 15 15 15 15 15 15 15 15 15 1	14 14 20 23	14 13 20 24	16 13 21 18	12 11 15 13	10 7 11 8	3 1
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09-10-2023 2:30 Night NML1 SVAN 977 SN:98419 6.8	78 0 13 8	54 59	63 4	0 30 2	3 31 2	26	Check, above 50 dBA	animal touching mic pole LAmax; Evaporation cannons audible animal touching mic pole LAmax; Evaporation cannons audible - 1 min excluded	-17	-14	-12 0	8 -1	7	5 5	14 9 1	1 13 14	19	19 15	18 22	19 22	25 22	14 12	10 7	7
09-10-2023 2:45 Night NML1 SVAN 977 SN:98419 5.8 09-10-2023 3:00 Night NML1 SVAN 977 SN:98419 4.7	75 0 12 8 78 0 12 8	55 77 55 46	82 50	5 27 2 9 33 2	2 39 2 2 29 2	26	Check, above 50 dBA Ok, s50 dBA		-17 -17	-14 -11	-12 2 -10 3	8 1 7 4	7 10	7 5	13 8 1 14 8 1	2 15 21 1 13 14	26 18	27 24 21 1 17 21 14	29 27 16 24	27 29 18 14	31 32 13 11	24 25 10 9	25 23 8 8	14 S
09-10-2023-3:00 MgN NML1 SVAN 977 SN 98419 4.7 09-10-2023-3:15 MgN NML1 SVAN 977 SN 98419 3.2 09-10-2023-3:00 MgN NML1 SVAN 977 SN 98419 3.2	97 0 12 8 103 0 11 5	55 59 90 49	61 ·	0 34 2 9 32 2	3 31 2 3 29 2	27	Check, above 50 dBA	Evaporation cannons audible; bird LAmax Evaporation cannons audible	-17 -17	-14 -13	-9 3 -9 2	8 4	11	9 9	15 9 1 14 8 1	1 16 14 0 13 14	20 18	18 22 15 17 21 15	20 28 16 24	18 13 19 14	13 11 14 12	11 10 12 11	9 7	4 1 3 0
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	78 0 16 7 88 0 17 8	71 69	72 6	9 50 3 8 57 3 2 56 4	9 53 3	34	acore or out	plane - 5 min excluded	-9 -7	4	0 4	7 12	12	13 26	21 16 2 17 16 2	1 23 24 9 24 32 7 31 30	31	25 26 30 21 30 34 -	45 47	41 40 49 42 46 41	37 39	37 36	30 24	16 5
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09-10-2023 11:00 Day NML1 SVAN 977 SN-98419 11:2 09-10-2023 11:15 Day NML1 SVAN 977 SN-98419 10:1 09-10-2023 11:30 Day NML1 SVAN 977 SN-98419 8.6	78 0 23 3 73 0 22 3	35 67 35 86	69 5 89 8	2 60 3	5 46 3 7 56 5	36 49		helicopter noise >5 mins (excluded)	-2 6	13	3 5 3 14	8 9 26 24	13	16 16 29 31	16 19 2 31 33 3		40	30 30 31 11 42 46 I	36 38 60 62	39 35 61 45	32 33 46 47	37 36 51 49	29 25 40 35	23 12 27 11
09-10-2023 11:45 Day NML1 SVAN 977 SN:98419 8.3	87 0 23 3 113 0 24 3	32 68 32 68	70 0 70 0	1 52 3 0 51 3	6 49 3 7 48 3	36			-3	-1	0 5	8 9 11 22	18	21 14 16 17	19 21 3 20 15 2	0 23 24 1 23 25	27 27	29 29 29 3 29 29 29 3	33 37 37 41	61 46 39 39 42 37	37 40 35 36	44 41 41 38	32 31 29 27	23 12 27 11 25 8 22 13 26 8
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End Time Time Location Logger Mine Weather Data Raw 15-minute Statistical Data Logaum Likeq15min tota	is - for Report Haw Requires Further Review 2	Taw Les timin 1/3 Spectrum					
Period Wind Speed Wind Rainfall Femp Hundily LAmax LAImax LAI LAIO LABO LAIG 1 Mrt Lacq SS3 (Res) Period LAIM LAID LAID LAIG 1 Mrt Lacq SS3 (Res) Period LAIM LAID LAID LAID LAID LAID LAID LAID LAID	Hz Review dis	taw Lieg túnio 1/3 Spectrum 20Hz 25Hz 31.5Hz 40Hz 5	IOHz 63Hz 80Hz 100Hz	125Hz 160Hz 200Hz	250Hz 315Hz 400Hz 500Hz	630Hz 800Hz 1kHz 1.25k	etz 1.6kHz 20tz 2.5kHz 3.15kHz 4kHz 5kHz 5.3kHz 8kHz 10kHz 12.5kHz 16kHz
correction) correction	2.3 Comments (dominant/noteworthy sources).						
09-10-2023 12:30 Day MML1 SVAN 977 SN:98419 8.3 103 0 23 32 67 70 62 52 36 50 37 09-10-2023 12:45 Day MML1 SVAN 977 SN:98419 11.9 112 0 24 30 70 73 62 53 38 50 40	36 Wind gust - 2 min excluded 40 Wind and plane noise dominant (excluded)	6 10 12 12 0 2 5 7	13 13 15 13 12 19 14 23	7 18 18 22 2 20 19 24	24 27 28 3 28 27 29 3	33 33 34 32 33	40 42 41 37 44 37 38 33 29 27 21 11 35 42 40 37 39 42 44 41 35 30 24 9
09-10-2023 13:00 Day MML1 SVAN 977 \$N:98419 10.1 119 0 24 29 80 83 59 54 40 51 39	mine noise audible; no corrections applicable. Wind gust - 1 min secluded	3 4 3 5	8 10 12 14	15 15 15	21 25 26 2	33 33 32	35 40 45 38 37 41 45 40 35 30 25 13
09-10-2023 13:15 Chay NML1 SVAN 977 SN:98419 9.4 91 0 24 30 74 77 66 57 37 54 39	38 mine noise audible; no corrections applicable. 35	4 3 0 3	8 10 12 15	5 14 14 17 4 13 13 15	20 24 26 2	32 34 32 29 29 31	37 45 52 45 36 40 44 41 33 30 23 9 41 49 53 46 53 50 57 48 42 30 32 20 34 40 48 39 33 30 41 36 31 22 58
	25	4 2 0 5	9 8 13 13 17 23 18 17	12 13 15 7 15 21 19	19 21 24 2 18 20 23 2 22 24 26 2	29 29 31 29 29 28 30 30 30	41 49 53 46 53 59 57 49 42 39 32 20 34 40 46 39 33 39 41 36 31 25 15 6 34 36 39 34 36 40 42 37 31 25 19 6
00-10-2023 14:30 Day NML:1 SVAN 977 SN-98419 6.5 65 0 24 30 66 69 51 47 34 45 37	36 37	3 0 1 6	11 15 20 20 9 17 17 20	17 20 20 15 23 24	21 24 26 2 19 23 23 2	29 29 28 30 30 29	34 35 37 36 37 41 42 37 33 27 20 7 31 33 35 31 36 38 39 36 29 24 19 5
	36 aircraft - 3 min excluded	-7 -2 2 6	9 7 12 18	13 13 16	20 23 25 2	30 30 30	30 35 35 34 44 36 33 27 23 20 14 5
09-10-2023 15:00 Day NUL 1 SUNN 977 SN-98419 7.9 84 0 24 30 70 72 60 49 36 48 31 00-10-2023 15:10 Day NUL 1 SUNN 977 SN-98419 5.0 116 0 24 20 67 66 50 53 35 46 33 00-10-2023 15:10 Day NUL 1 SUNN 977 SN-98419 5.0 94 0 2 2 31 71 74 61 51 38 50 38 50 38	34 37 sircraft - 2 min excluded	4 4 1 2	7 6 13 16 15 17 23 23	12 12 15	20 24 25 2 18 21 23 2 23 27 30 3	30 31 31 27 28 29 34 34 35	35
See Foundation and Service Control (1992) (1	36	3 1 6	8 6 12 18	14 15 15	19 22 25 2	30 30 30 28 28 28	38 40 42 33 36 41 37 37 37 33 26 22 13 3 38 40 42 35 36 41 43 41 37 37 37 33 26 22 13 3 33 40 42 47 38 40 45 44 41 37 32 29 22 6
09-10-2023 10:15 Day MML1 SVAN 977 SN-96419 9.0 73 0 24 30 69 72 64 56 37 52 36	25	4 2 1 3	6 11 15 14	12 14 15	18 22 23 2	28 29 29	35 42 47 38 40 45 44 41 36 31 24 9
09-10-2023 16:30 Day MUL1 SVAN 977 SN:98419 6.1 81 0 23 31 81 84 67 53 37 54 35 09-10-2023 16:45 Day MUL1 SVAN 977 SN:98419 7.2 108 0 24 29 70 73 64 50 32 50 32	31	9 4 2 1	4 1 7 1	6 9 10	10 21 21 2 12 17 19 2	28 28 30 25 26 26	32 39 47 38 36 38 38 35 29 23 96 5
09-10-2023 17:00 Day No.E.1 SUAN 977 SN:98419 6.8 69 0 24 30 74 77 62 54 33 51 35 09-10-2023 17:15 Day No.E.1 SUAN 977 SN:98419 8.3 54 0 22 31 77 73 65 55 36 33 36 00-10-2023 17:15 Day No.E.1 SUAN 977 SN:98419 8.3 54 0 22 31 77 73 65 55 36 33 36 00-10-2023 17:10 Day No.E.1 SUAN 977 SN:98419 8.3 54 0 22 31 77 36 73 65 55 36 33 36 00-10-2023 17:10 Day No.E.1 SUAN 977 SN:98419 8.3 73 74 77 62 74 77 62 75 75 75 75 75 75 75 75 75 75 75 75 75	35	9 4 1 4	13 11 15 13 7 5 10 14	12 18 15 4 12 13 15	17 21 23 2 18 21 23 2	27 27 29 29 29 30	36 39 46 42 41 43 43 39 35 30 23 11 36 42 52 39 38 40 38 34 31 26 17 6
09-10-2023 17:45 Day NML1 SVAN 977 SN:59419 10.1 79 0 22 34 69 72 57 49 35 47 36	37	4 4 1 6	10 14 16 18 8 11 16 19	17 17 18 16 16 18	20 23 25 2 21 25 27 2	30 29 29 30 30 30	33 37 44 38 33 38 40 35 29 25 17 3 35 38 40 37 33 36 38 35 29 23 17 5
09-10-2023 18:00 Day NAUL SVAN 977 SN:98419 9.7 75 0 21 36 69 72 58 45 35 46 37 09-10-2023 18:15 Evening NAUL SVAN 977 SN:98419 6.8 69 0 21 37 69 71 58 45 31 45 32	36	-9 -5 -1 6 -13 -10 -6 -1	9 7 11 15 6 5 9 11	13 13 16	19 23 25 2 13 16 20 2	29 29 30 23 23 28	36 40 40 35 36 32 34 31 23 19 10 3 39 39 40 33 34 34 29 26 22 15 8 2
09-10-2023 18:30 Evening NML1 SVAN 977 SN:98419 5.4 60 0 20 39 69 70 44 39 34 41 28 09-10-2023 18:45 Evening NML1 SVAN 977 SN:98419 7.6 67 0 20 41 53 55 51 50 39 49 29	29	-15 -11 -7 -4 -10 -7 -5 0	5 3 11 3	7 6 7 7 9 10 11 12	9 13 15 1 14 17 19 2	18 22 23 21 21 21	33 37 23 21 31 34 20 13 12 9 5 2 20 21 24 24 41 47 22 17 17 12 10 3
09-10-2023 19:00 Eversing MML1 SVAN 977 SN:95419 8.3 74 0 20 42 53 55 51 51 43 50 28 09-10-2023 19:15 Eversing MML1 SVAN 977 SN:95419 11.2 72 0 19 43 46 49 43 42 40 41 34	28 23 Wind dominant (exclude)	-2 -2 -3 2 1 -1 -2 6	9 8 9 1 12 10 10 14	9 9 9 11 4 13 14 18	13 16 17 1 18 21 23 2	20 21 20 26 26 26	20 21 25 24 41 49 23 17 18 13 12 3 25 25 24 26 34 38 22 20 18 14 8 3
09-10-2023 19:20 Exercise NML 1 SUNN 977 SN-98419 10.1 62 0 19 45 59 60 52 45 39 43 41 00-10-2023 19:45 Exercise NML 1 SUNN 977 SN-98419 7.9 29 0 16 47 50 52 43 41 38 30 32 50-10-2023 19:45 Exercise NML 1 SUNN 977 SN-98419 7.7 63 0 16 57 44 48 42 40 37 30 32 30 32 30 30 30 30 30 30 30 30 30 30 30 30 30	45 secret audble >5mins excluded 34 Wind noise dominant (excluded)	3 9 4 8	20 19 19 22	2 22 23 25	28 31 33 3 19 22 24 2	31 31 30 27 27 27	29 28 28 28 34 36 26 24 22 16 11 4
09-10-2023 20:15 Evening NML1 SVAN 977 SN:98419 8.6 61 0 17 55 61 62 54 43 37 43 42	34 wind noise dominant (excluded) 43 wind and helicopter noise dominant (excluded)	4 3 -2 4 6 14 0 13	9 9 13 11	1 13 15 20	19 22 24 2 19 21 24 2 30 34 35 3	27 27 27 27 27 27 33 32 30	A
00-10-2022-20-30 Swering MAL-1 SUAN 977 SN-98419 9.4 41 0 17 50 45 40 40 33 34 36 32 00-10-2023-20-45 Swering MAL-1 SUAN 977 SN-98419 9.4 33 0 17 63 42 46 37 36 32 34 30	32 wind and evaporator cannons co dominant 30 evaporator cannons audible	4 4 2 6	11 10 14 11 13 11 13 10	11 14 16	17 19 22 2 15 17 21 2	24 24 24 22 21 20	23 22 21 23 30 29 20 18 16 13 7 1 20 19 18 20 29 20 17 15 13 10 5 1
09-10-2023 21:00 Evening NML1 SVAN 977 SN:98419 9.4 33 0 16 69 44 47 38 36 32 35 31	31 Wind and evaporator cannons co-dominant vo wind and evaporator cannons co-dominant	4 4 5 3	9 9 13 10	11 13 15	16 18 21 2 18 20 27 3	23 22 22	21 20 20 20 29 27 18 16 15 12 6 1
00-10-2023 21:15 Evering MR.1 SUMN 977 SH28419 11.5 27 0 16 72 45 46 41 35 33 35 33 35 33 35	37 wind dominant (excluded)	3 5 6 8	10 11 13 13	15 16 20	22 24 27 2 21 24 27 2	25 25 24 29 30 30 28 29 29	23 23 22 28 26 26 20 19 17 14 6 2 29 29 28 27 29 27 25 24 23 19 12 4 26 29 27 26 28 26 24 23 21 18 11 3
09-10-2023 22-00 Turning NAM 1 SUAN 977 SN-98419 10 1 33 0 16 73 43 44 40 36 37 32 34 33	35 Wind commant (accused) 33 Wind and evaporator cannons co-dominant 33 Wind and evaporator cannons co-dominant	-10 -7 -4 2	9 9 11 11	13 14 18	18 21 25 2	25 24 24	29 20 27 28 28 28 29 24 27 28 16 11 3 22 21 20 20 25 22 17 16 15 11 6 1
09-10-2023 22:15 Night NML1 5/WN 977 5N-98419 6.8 45 0 16 74 41 42 37 35 31 33 32 0 0-10-2023 22:20 Night NML1 5/WN 977 5N-98419 6.3 38 0 15 75 38 40 38 34 30 32 31	31 Ok, 550 dBA evaporator cannons audible - wind contribution present	-11 -9 -5 2	9 8 12 10	12 12 16	17 19 22 2	23 22 21	20 18 17 17 24 20 15 14 13 10 5 1
05-10-2023 22-05 Polyt MR.1. SUNN 937 SK-984919 9.0 27 10 15 76 58 61 30 33 22 23 33 30 00-10-2023 23-05 Polyt MR.1. SUNN 937 SK-98419 9.4 54 55 0 15 77 43 47 36 33 28 31 30 00-10-2023 23-10 Polyt MR.1. SUNN 937 SK-98419 9.5 5 50 0 15 78 49 42 30 33 28 31 33	31 Ok. 550 dBA Evaporator carnons audible	-15 -12 -7 2 -15 -11 -6 3	9 8 11 5 9 8 12 1	11 11 16 11 12 17	16 18 22 2 16 18 22 2	22 21 21 23 20 20	19 17 17 19 27 24 18 13 11 8 4 1 18 16 14 13 22 18 12 11 10 7 4 1
	31 Ok, 500 dBA Evapositor cannons audible 30 Ok, 500 dBA Evapositor cannons audible	-16 -12 -7 2 -16 -12 -7 2	8 8 12 5	12 12 17 11 11 16	16 18 23 2 15 17 22 2	23 20 20 22 19 19	17 14 12 11 21 17 10 9 8 6 3 1 17 14 12 12 21 17 10 10 9 6 3 1
Gen 10-2022 2-24 SigN NALT 500A 977 50-58419 6.5 54 6 15 77 2 75 25 23 23 27 22 25 6 22 10-10-2022 2-00 SigN NALT 500A 977 50-58419 6.5 54 6 15 77 25 6 6 6 8 27 72 22 23 6 22 10-10-2022 2-00 SigN NALT 500A 977 50-58419 5.5 77 5 14 50 6 6 8 27 72 22 23 22 22 25 6 22 10-10-2022 2-00 SigN NALT 500A 977 50-58419 5.5 77 5 14 50 6 6 8 27 72 22 23 22 22 22 22 23 22 24 24 24 24 24 24 24 24 24 24 24 24	22 Ok, 550 dBA 22 Check, above 50 dBA possum LAnsx	-16 -13 -8 1 -17 -14 -8 1	8 4 7 6 9 4 7 6	5 5 3 7 5 5 3 6	8 10 12 1 7 9 12 1	13 13 13 13 14 13	13 12 11 11 20 16 10 10 9 6 3 1 14 13 15 26 27 21 12 10 9 8 4 1
10-10-2023 0:15 MgHz MML1 SVAN 977 SN:98419 5.0 71 0 14 80 41 43 37 28 21 27 23 10-10-2023 0:30 MgHz MML1 SVAN 977 SN:98419 6.1 61 0 14 80 44 47 31 27 21 25 22	22 Ok, 550 dBA 22 Ok, 550 dBA	-17 -14 -9 1 -16 -13 -9 0	9 3 6 6	5 1 5	6 8 10 1 8 10 11 1	14 17 12 13 12 12	15 21 13 11 18 14 9 9 8 6 3 1 13 14 13 12 15 17 12 12 11 8 4 1
\$6.10.2023.0.20 \$400 \$88.1.1 \$1000.007.00.00419 \$6.1 \$61 \$61 \$64 \$60 \$44 \$47 \$31 \$27 \$21 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25		-16 -13 -9 0	7 5 7 6	5 6 3 7 5 7 5 7	8 11 12 1 9 12 13 5	14 14 13 13 13 15	13 13 12 12 16 14 11 11 10 15 18 4 21 20 20 18 23 24 20 12 10 7 3 1
\$6.10.2023 115 \$200 MA.1 \$2000 977 50:58419 6.1 50 0 14 54 55 57 30 25 21 21 25 10-10.2023 130 \$200 MA.1 \$2000 977 50:58419 6.1 50 0 14 54 55 57 30 25 21 21 25 22 25 10-10.2023 130 \$200 MA.1 \$2000 977 50:58419 22 20 10 10 25 20 24 20 25 20		-16 -12 -8 0 -16 -12 -8 1	8 7 6 6 9 6 6 7	9 2 5	10 9 10 1 5 7 7	9 10 9	12 12 12 13 17 18 12 10 8 6 3 1 9 9 8 8 13 10 9 8 7 5 3 0
10-10-2023 145 NgM NML1 SVAN 977 SN-98419 2.2 69 0 13 67 43 46 29 24 20 23 21 10-10-2023 200 NgM NML1 SVAN 977 SN-98419 1.4 335 0 12 90 42 46 32 27 20 25 21	22 Ok, 500 dBA 24 Ok, 500 dBA	-15 -12 -7 2 -16 -13 -9 1	8 6 9 7	6 2 6	6 9 11 1	11 11 10	10 9 8 8 13 11 9 8 8 6 3 1
10-10-2023-200 MagN MAR.1 5UAN 977 SN 58419 1.4 325 0 12 50 42 44 32 27 20 25 25 25 10-10-2023-21-5 MagN MAR.1 5UAN 977 SN 58419 1.4 228 0 11 54 44 32 27 29 20 22 22 22 24 24 24 24 24 24 24 24 24 24	21 Ok, 550 dBA 25 Check, above 50 dBA bird LArrax	-17 -13 -9 2 -17 -13 -8 2	10 7 6 8	6 3 5	5 7 10 5	10 13 12 19 21 29	11 8 7 7 10 9 8 8 7 7 9 4 0 38 33 33 22 18 13 11 9 8 6 3 0
		-18 -14 -11 2 -17 -14 -11 0	14 8 8 1	8 11 8	9 11 11 1	12 10 10 16 22 14	9 8 8 9 12 11 9 8 7 5 3 0
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	22 Ok, 500 dBA 24 Check, above 50 dBA brd Livrax 28 Check, above 50 dBA brd Livrax	-16 -13 -9 -2	5 4 9	7 2 8	8 11 11 1	18 24 16	23 27 21 14 14 13 13 10 10 7 4 1
10-30-31 C-10-34 MA 100-17 C-20-31 (1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25 Check, above 50 dBA Sind LAmax 24 Ch. 550 dBA	-17 -13 -10 -2	3 4 9 6	6 1 2	8 9 11 1	20 27 22	24 29 23 17 16 12 11 10 9 7 4 1 20 29 29 23 16 20 17 12 6 7 6 3 0
10-10-2023 4-35 MgH MML1 55504 97 50-38419 2.2 197 0 9 100 45 46 42 38 22 33 30 10-10-2023 4-45 MgH MML1 55504 97 50-38419 2.2 30 0 9 100 57 58 46 40 24 37 30	27 Check, above 50 dBA Sirds LAmax	-17 -12 -6 -1 -16 -12 -6 1	4 8 10 8	9 5 7	10 14 16 1	20 26 24	30 30 29 26 26 23 21 16 7 6 3 0
10-10-2023 5:00 Night MoRL1 \$UAN 977 \$N:98419 4.0 67 0 10 100 65 67 59 48 33 46 35 10-10-2023 5:15 Night MoRL1 \$UAN 977 \$N:98419 3.2 69 0 9 100 74 76 64 57 37 53 32 32 10-10-2023 5:30 Night MoRL1 \$UAN 977 \$N:98419 3.2 69 0 9 100 74 76 64 57 37 53 32 32 10-10-2023 5:30 Night MoRL1 \$UAN 977 \$N:98419 4.3 63 0 10 100 75 75 66 55 41 54 54 34	26 Check, above 59 dBA Sirds LArrax	-16 -12 -10 -1 -15 -12 -9 -3	3 4 5 6	5 2 4 5 7 4 3	6 9 10 1 8 11 11 1	24 30 31 21 27 29	39 40 36 34 38 38 35 27 25 19 13 3 39 42 45 40 46 46 47 40 34 30 22 10
10-10-2023 5-45 Webt NML1 SVAN 977 SN-38-419 3.6 35 0 11 99 85 86 66 59 44 57 37		-14 -11 -5 0	5 10 10 1	8 8 8	11 15 16 1	24 27 31 26 28 35	44 44 47 46 47 42 44 43 34 32 25 10 47 49 50 44 44 47 50 46 42 37 30 16
10-10-2023 6:00 Neght NML1 SURN 977 SN:98419 5.4 48 0 11 99 71 73 63 55 41 55 37 10-10-2023 6:15 Neght NML1 SURN 977 SN:98419 3.2 61 0 12 97 62 65 66 56 41 55 34	30 Check, above 50 dBA birds LArrax; plane - 2 min excluded 30 Check, above 50 dBA	-13 -9 -4 2 -11 -8 -4 2	6 8 11 17 6 12 17 20	7 28 24 15 0 18 14 15	22 20 19 2 15 17 17 1	24 27 34 21 27 31	45 46 47 40 37 40 42 40 33 28 23 7 44 48 50 43 41 43 44 47 39 32 26 14
		-11 -7 -4 4 -12 -7 -4 2	7 8 11 S 10 9 9 14	9 10 12 10 4 19 20 13	14 18 20 2 21 20 23 2	26 28 35 26 27 36	46 49 51 43 37 41 43 41 34 32 23 9 46 47 47 41 33 42 45 44 36 33 26 9
10-10-2023 6-05 Sight MAR.1 504A9 977 50-08419 2.2 140 0 12 56 74 777 6-4 58 36 54 35 10-10-2023 7-05 Sight MAR.1 504A977 50-08419 2.2 140 0 12 6 76 77 77 6-5 58 36 54 35 10-10-2023 7-05 Sight MAR.1 504A977 50-08419 2.2 3-66 0 15 6 74 77 77 6-5 58 36 36 36 36 36 36 36 36 36 36 36 36 36	22 Check, above 50 dBA birds LAmax; plane - 3 min excluded 33	-13 -9 -6 2 -14 -10 -5 1	5 11 10 12 4 14 13 18	2 22 13 16 1 20 17 15	23 21 24 2 15 17 16 1	25 26 31 28 26 35	70
10-10-2023 7-30 Day MM.1 SVM-977 SV-38419 4-3 305 0 16 79 80 82 77 60 32 63 47 10-10-2023 7-30 Day MM.1 SVM-977 SV-38419 4-3 305 0 16 79 80 82 77 60 32 63 32 63 47 10-10-2023 7-45 Day MM.1 SVM-977 SV-38419 4-3 305 0 16 79 80 82 77 60 32 77 60 32 63 32 63 34 10-10-2023 7-45 Day MM.1 SVM-977 SV-38419 4-3 305 0 16 79 80 82 77 60 32 77 77 77 77 77 77 77 77 77 77 77 77 77	20 crow close to microphone (excluded) 32	-13 -8 -5 0 -12 -7 -5 1	5 8 11 13 4 11 18 21	7 17 14 11 1 12 21 23	15 17 16 1 17 21 23 2 14 15 14 1	28 25 35 36 33 46 22 23 30	55 49 51 33 35 30 41 33 32 22 55 45 45 57 55 55 55 46 47 46 47 40 36 22 9 44 44 44 47 33 25 34 34 34 34 32 27 27 27 27 27 27 27 27 27 27 27 27 27
10-10-2023 8:00 Day NML1 SVAN 977 SN-98419 8.6 355 0 17 73 73 75 64 56 34 53 33	26 birds contaminating 800Hz and 1kHz bands: 630Hz filter most	-12 -6 -4 1	6 7 9 8	5 5 5	9 13 13 9	20 25 30	41 44 50 40 39 38 41 41 34 27 20 8
10-10-2023 8:15 Day MML1 SVAN 977 SN-98419 8.6 354 0 16 67 82 84 73 55 36 59 44	54 birds contaminating 800Hz and 1kHz bands; 630Hz filter most accurate for detecting mine noise	-12 -8 -5 0	4 6 10 7	4 5 7	12 17 17 2	30 35 42	53 53 54 45 43 41 44 45 37 30 24 11
10-10-2022 8:30 Day MAR.1 SUAN 977 SN 98419 10:1 340 0 19 63 74 76 62 53 34 50 30 10-10-2022 8:45 Day MAR.1 SUAN 977 SN 98419 8:8 3 36 0 20 57 79 81 70 60 36 58 37 10-10-2022 8:45 Day MAR.1 SUAN 977 SN 98419 7 8:5 3 36 0 20 57 79 81 70 60 36 58 37 10-10-2022 8:45 Day MAR.1 SUAN 977 SN 98419 7 2 7 0 21 53 65 70 65 55 55 55 33 30 30 30 30 30 30 30 30 30 30 30 30		-9 -6 -2 1 11 20 5 18	8 7 10 8 32 27 35 36	6 6 8 37 37 41	11 13 14 1 45 44 47 4		38 41 46 37 35 40 41 38 33 27 20 7 47 48 51 42 37 37 41 38 30 27 21 6
10-10-2023 2:15 Day NAL1 SVAN 977 SN:98419 7.6 7 0 2: 47 77 78 68 55 32 55 33	29 helicopter - 2 min excluded 28	-2 -3 0 6 -7 -5 -3 0	12 13 17 19 5 5 7 8	9 19 20 21 5 5 7 9	22 23 25 2 11 15 14 1	28 29 34 23 24 31	43 45 45 42 43 38 38 37 29 25 17 6 42 46 46 41 52 40 38 37 30 27 59 9
10-10-2023 2-93 Day NML 1 SVNN 977 SV-38419 7-2 17 0 22 44 75 77 62 53 35 52 38 10-10-2023 2-94 Day NML 1 SVNN 977 SV-38419 7-2 17 0 22 44 67 71 61 51 32 48 29	2)	-7 -5 -3 0 -12 -11 -9 -2	12 22 19 23 2 4 7 4	2 19 18 22 4 3 5 6	19 18 18 1 8 9 11 T	21 24 34 17 22 27	43 44 45 41 47 38 40 38 30 27 20 5 36 40 40 43 36 37 39 38 30 25 18 6
10-10-2023 10:00 Day MAL 1 SUM 977 SN 98419 9.4 341 0 22 40 70 72 64 54 35 51 34 10-10-2023 10:15 Day MAL 1 SUM 977 SN 98419 9.4 330 0 23 37 65 67 60 51 34 46 31 10-10-2023 10:15 Day MAL 1 SUM 977 SN 98419 6.9 30 0 22 34 77 77 37 60 5 67 60 51 33 44 33 33	29 28	4 6 5 2 2 0 1 3	3 6 6 8 7 12 8 10	20 16 9 9 9 12	17 16 16 1 14 16 17 1	21 25 32 21 23 26 19 21 26	45 46 45 38 37 39 40 39 31 25 17 6 39 41 42 40 36 35 35 38 38 22 25 17 5 30 41 41 37 38 40 39 36 30 27 23 5
10-10-2023 10-30 Day MR.1 SVAN 977 SN:58419 6.8 50 0 22 34 77 73 60 51 33 48 33 10-10-2023 10-6 Day MR.1 SVAN 977 SN:58419 4.0 229 0 25 33 77 75 62 53 34 50 32 10-10-2023 10-0 Day MR.1 SVAN 977 SN:58419 6.1 116 0 24 32 77 77 77 10 11 33 50 34	22	-13 -11 -7 -2 -10 -3 -10 1	8 9 9 10	24 11 13 0 12 12 12	12 12 12 5 14 15 16 1	19 21 28 20 25 28	39 41 41 37 38 40 39 36 30 27 21 6 37 45 45 38 36 36 40 38 23 24 18 7
	29	-14 -9 -6 -1 -7 -6 -4 2	8 11 18 11 6 7 15 1	1 12 14 10 9 9 15 13	12 14 14 1 15 17 18 1	20 25 28 22 28 38 22 25 31	37 45 45 38 36 36 40 38 20 24 19 7 45 41 47 50 46 52 53 49 41 33 32 22 44 43 43 50 47 43 46 46 42 40 35 27 16
00-10-2023 11:30 Day MAL1 SVAN 977 SA:98419 7:2 154 0 25 30 71 74 64 51 31 51 32 10-10-2023 11:45 Day MAL1 SVAN 977 SA:98419 10:1 168 0 24 32 68 70 61 50 33 48 34	30	4 0 2 4	8 7 9 13 10 13 22 23	3 11 11 13 3 16 23 22	14 16 18 2 17 18 19 2	23 26 27 24 25 28	40 46 45 34 32 33 33 29 26 22 16 9 36 41 42 34 41 38 37 35 29 28 24 18
10-10-2023 12:00 Day MML1 SVAN 977 SN 98419 6.1 225 0 24 30 69 71 60 50 33 48 34 10-10-2023 12:15 Day MML1 SVAN 977 SN 98419 8.3 169 0 24 29 69 72 59 46 31 46 32	34 31	49 -2 3 6 -7 -3 1 5	9 10 19 24		19 19 20 2 15 18 20 2	24 25 27 24 25 25	32 37 40 37 43 40 38 38 29 22 17 6 31 36 44 34 31 31 33 39 22 17 19 3
10-10-2023 12:30 Day NML1 SVAN 977 SN:98419 5.4 252 0 25 24 76 78 70 55 30 56 33	28	-11 -6 -2 4	6 6 9 11 9 8 11 11	7 8 9	11 16 15 1 14 17 18 2	23 24 30 23 24 24	43 46 54 47 37 38 39 37 33 29 19 7 26 35 37 35 31 30 31 29 22 16 13 5
19-13-223 12-65 Day MR.1 SUAN-977 SH038419 6.5 20 0 26 22 55 65 65 53 46 31 42 31 55-10-2233 13-05 Day MR.1 SUAN-977 SH038419 7.9 13-8 0 26 25 25 65 65 54 45 34 45 34 55-10-2233 13-05 Day MR.1 SUAN-977 SH038419 8.6 116 0 26 25 25 66 66 55 53 34 48 34	34	-7 -3 2 7 -10 -6 2 4	10 11 14 16	15 17 17	18 21 23 2 16 19 21 7	27 27 26 26 26 29	30 35 33 35 36 30 32 30 24 22 55 12 33 39 43 40 37 38 39 35 29 × 60 4
10-10-2023 13-20 Day NML1 SVMN 977 SN-93419 8.6 173 0 25 25 64 66 55 44 30 44 31 10-10-2023 13-45 Day NML1 SVMN 977 SN-93419 5.0 217 0 25 23 64 66 55 44 30 44 31	20	-12 -8 2 2 -12 -7 -2 2	9 12 7 7	7 7 9 50 7 5 7 8	12 15 17 1 10 13 14 1	21 23 25 20 20 25	33 36 39 34 32 35 35 31 25 22 5 4 36 39 39 32 29 30 31 29 19 15 11 4
10-10-2023 14:00 Day NML1 SVAN 977 SN:98419 8.3 196 0 25 25 66 70 60 50 30 47 34	30	11 7 1 4	8 11 12 11	10 10 11	13 16 18 2	25 27 30	37 41 44 35 31 31 32 28 21 15 10 3
16-10-2023 14-15 Day MAL 1 SUAN-977 SH09419 5:8 167 0 25 25 73 76 C3 54 31 51 31 51 31 51-10-10-2023 14-20 Day MAL 1 SUAN-977 SH09419 4.3 C2 0 27 72 22 66 69 61 54 28 50 32 50-10-2023 14-20 Day MAL 1 SUAN-977 SH09419 9.4 227 0 27 24 64 67 55 443 29 45 33	27 33 sircraft - 2 min excluded	11 7 2 3	5 14 21 27	7 38 33 24 7 9 17	23 21 21 2	21 25 26 21 22 25 22 27 24	37 44 42 36 41 45 42 38 32 26 19 7 35 42 42 37 41 42 41 33 28 26 17 6
50-10-2023 M-HS Day NML1 SUNN 977 SN98419 9.4 227 0 27 24 64 67 56 48 29 45 30 10-10-2023 SN 10-10-2	# 2	-12 -8 -4 0 -12 -8 -4 -1 -12 -8 -3 1	3 13 17 21	16 23 27	18 18 19 2	22 22 24 22 24 27 20 21 24	30 35 34 32 38 38 38 30 26 25 16 6 38 41 40 32 37 33 32 26 20 23 16 5 32 39 40 34 33 23 28 21 18 17 11 3
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10-10-2023 16:00 Day NML1 SVAN 977 SN-98419 6.1 230 0 26 22 68 71 59 49 30 47 28	26	-/ -4 -1 4 -10 -5 -1 5	6 4 8 10	7 8 11 0 4 5 7	8 12 14 9	19 20 23	
15-10-2023 (6:15 Day MR.1 SVM 977 SN 98419 47 211 0 26 22 21 61 65 54 48 31 44 27 15-10-2023 (6:03 Day MR.1 SVM 977 SN 98419 40 150 0 26 22 60 65 55 44 31 45 23 15-10-2023 (6:03 Day MR.1 SVM 977 SN 98419 40 150 0 27 23 65 65 65 64 31 47 27 47 33	22	9 4 -2 5	14 6 10 10 6 11 22 28	5 12 10 18 19 15	13 13 15 1 17 18 19 1	19 19 20 21 20 24 23 25 28	27 32 32 32 33 34 33 37 38 32 25 177 7 31 31 34 35 26 37 33 38 32 25 27 17 4 44 41 40 32 32 32 33 33 35 21 16 12 4
	30 25	-15 -10 -6 -2 -11 -5 -1 5	1 1 6 11 7 4 7 2	1 12 17 18 1 7 4 6	16 18 19 2 9 9 13 1	19 21 22	
50-10-2023 17:10 2wy Molt.1 50WN 977 5N35419 9:0 167 0 26 25 65 67 50 40 33 46 34 50-10-2023 17:30 3wy Molt.1 50WN 977 5N35419 7.72 105 0 26 26 63 65 57 46 33 46 34 50-10-2023 17:30 3wy Molt.1 50WN 977 5N35419 7.72 105 0 26 26 63 65 57 46 33 46 34 50-10-2023 17:00 3wy Molt.1 50WN 977 5N35419 7.72 105 0 25 27 27 66 70 50 43 33 42 34 53	32	4 3 1 8	11 7 11 12 10 7 10 12	2 10 11 13	15 18 20 2 13 17 18 2	25 27 30 26 27 30	38 39 38 36 38 37 37 37 27 22 54 4 40 39 38 34 32 31 33 33 25 19 12 4
00-10-2022 17-65 Day MAIL 1 SVAN 977 SR-98419 7-2 129 0 25 27 65 70 50 43 33 42 34 10-10-2022 18:00 Day MAIL 1 SVAN 977 SR-98419 5-4 131 0 24 28 71 75 60 42 32 46 36	22	4 1 8 -10 -5 0 5	10 7 12 15 8 17 21 25	5 11 14 16 5 23 19 18	15 19 20 2 17 21 22 2	27 29 27 27 28 27	31 34 35 30 29 31 33 28 25 19 14 3 37 38 40 36 36 37 34 33 27 20 14 5

End Time	Period	Location	n Logger Mine Weath Wind Speed (km/tr)	er Data Wind Direction	Rainfall 1 (mm) ()	femp Humi oC) (%)	Ran sidity LAT	w 15-minute max LAim	ax EA1	LA10 LA9	0 LAsq	Logsum LAeq 15min totals - for Re LAeq 51 kHz LAeq 5630 Hz (incl +0.7 dB (incl +2.3 dB correction) correction)	corii Lmxx Requires Further Review		20Hz 2	tisnin 1/3 Spectrum SHz 31.5Hz 40	Hz SOH	63Hz 80Hz	100Hz 12	150H	z 200Hz 250	tz 31524z	400Hz 500Hz	630Hz 800Hz	1kHz 1.	258Hz 1.6kHz	264z 2.564z	3.150% 481	z 56Hz 6.3ki	BAHz 10	01z 12.5kHz 168Hz
10-10-2023 18:15	Evening	NML1	SVAN 977 SN:98419 4.0	133	0	23	30	65	70 6	54 50	30 5	0.7 50 32	25	Comments (dominant/noteworthy sources).	-17	-15 -14	4	0 -5	1 4	0	0 2	5 14	16 19	23 22	29	42 44	46 3	36	41 31	0 23	16 9 2
10-10-2023 18:30	Evening	NML1	SVAN 977 SN:98419 4.1 SVAN 977 SN:98419 3.2 SVAN 977 SN:98419 3.2	109	0	23	31	62	70 E	53	46 5	33 23	23	bird close to mic - 5 min excluded	-17	-14 -13	4	0 -3	2 4	-3	1 1	4 9	13 21	27 32 17 22	31	39 36	40 4	43	51 26	9 21	13 18 5
10-10-2023 19:00	Evening	NML1	SVAN 977 SN-98419 2: SVAN 977 SN-98419 4:	2 83	0	22	32	61	64 4	15 44	42 4	14 22	21		-18	-16 -14	4	0 -7	4 3	4	2 -1	1 4	13 14	14 14	14	18 24	25 2	33	42 20	4 15	10 7 2
				27	0	22	22	45	57 4	15 44	41 4	13 28	25	evaporator cannons audible evaporator cannons audible	-18	-16 -15	4	5 0	9 3	1	5 4	7 9	15 15	15 21	22	18 21	20 9	37	41 19	5 15	11 8 2
10-10-2023 19:45	Evening	NWL1	SVAN 977 SN:98419 8: SVAN 977 SN:98419 7:	19	0	21	43	45	50 4	12 42	40 4	28	29	evaporator cannons audible	-12	-7 -8	1	9 6	14 8	10	13 16	16 17	20 20	19 18	17	17 16	17 2	35	39 15	4 13	9 7 2
10-10-2023 20:00	Evening	NWL1	SVAN 977 SN:98419 E.	21	0	20	51	53	55 4	17 42	35 4	10 27	25	evaporator cannons audible plane - 3 min excluded	-13	5 -2	6	16 12	19 16	18 :	22 23	22 25	24 24	22 20	17	16 17	18 2		37 19	5 13	10 7 2
10-10-2023 20:30	Evening	NML1	SVAN 977 SN:98419 8: SVAN 977 SN:98419 7: SVAN 977 SN:98419 6:	29	0	19	53	53	55 5	50 50 50 50	41 4	19 25 19 23	26		-13	-11 -9	3	8 5	14 9	7	7 6	7 9	16 16	16 14	14	15 15	15 Z	42	48 20 48 20	7 18	10 10 3
10-10-2023 21:00	Evening	NML1	SVAN 977 SN:96419 6.	132	0	19	57	53	55 5	50 50 51 50	45 4	19 25	24		-17	-15 -13 -14 -11	0	7 7	10 6	8	5 4	5 8	10 12	18 20	19	21 22	23 2	42	48 20 48 20	7 20	11 11 3
10-10-2023 21:30	Evening	NML1	SVAN 977 SN:98419 6. SVAN 977 SN:98419 7. SVAN 977 SN:98419 4. SVAN 977 SN:98419 6. SVAN 977 SN:98419 5.	101	0	18	58	52	53 .	51 51	45 5	50 20	20		-18	-16 -12	-1	5 8	5 6	5	0 3	3 6	7 7	13 9	13	20 20	19 2		40 10	9 22	13 13 3
10-10-2023 22:00	Evening	NML1	SVAN 977 SN:98419 5	1 20	0	10	61	51	53 5	51 51 51 51	43 4 44 4	19 23	23		-17	-14 -11 -14 -10	-1	6 9	6 8	12	7 6	8 11	12 13	15 13	15	20 19	15 2	40	48 19 48 18	8 21 8 21	13 12 2
10-10-2023 22:15	Night Night	NML1	SVAN 977 SN:98419 6: SVAN 977 SN:98419 4: SVAN 977 SN:98419 4:	73	0	18	50	51	53 5	51 50 50 50	44 4	19 20 19 21	20 Check, above 50 dBA 22 Check, above 50 dBA	reacts LAmax reacts LAmax	-17	-14 -11 -15 -12	1	7 6	7 6	- 4	4 4	4 6 6 10	7 9	10 9	11	16 15	12 1	40	48 17	8 20 8 20	14 12 3
10-10-2023 22:45	Night	NAVL1	SVAN 977 SN:98419 4:	75	0	18	50	51	53 5	51 50	33 4	18 20	22 Check, above 50 dBA 21 Check, above 50 dBA 22 Check, above 50 dBA	Insects LAmax	-18	-15 -12	2	9 7	10 8	7	1 3	4 5	9 8	9 8	9	14 14	9 2	å	47 16	\$ 20	14 11 3
10-10-2023 23:15	Night	NML1	SVAN 977 SN:98419 3. SVAN 977 SN:98419 4. SVAN 977 SN:98419 5.	52	0	18	55	52	54 5	51 51 51 50	32 4	17	18 Check, above 50 dBA 18 Check, above 50 dBA	Insects LAmax	-18	-16 -14	0	7 4	7 5	5	-1 0	1 3	5 6	7 6	7	13 17	15 2	44	45 15 47 17	9 20 9 20 2 23	13 9 4
				25	0	18	53	53	56 3	55 33	29 4	11 20	20 Check, above 50 dBA		-16	-10 -13 -13 -12	0	4 6	4 4	5	1 4	6 8	10 10	11 11	11	12 13	13 2	28	42 22 26 14	2 11	9 5 1
11-10-2023 0:00	Night Night	NWL1	SVAN 977 SN:98419 6. SVAN 977 SN:98419 8. SVAN 977 SN:98419 5.	34	0	18	53	48 54	50 2		29 3	11 22 12 20	21 Ok, 550 dBA 20 Check, above 50 dBA	bats LAmax	-15 -18	-14 -12 -16 -14	-1	3 7	3 3	5	0 3	4 7 5 7	5 10	10 10	13	13 13	13 2	25	25 16	1 9	9 5 2 7 3 1
11-10-2023 0:30	Night	NAVL1	SVAN 977 SN:98419 5.	37	0	18	57	41	44 3	56 33	29 3	20	20 Ok, 550 dBA 19 Ok, 550 dBA		-18	-16 -15	-2	2 10	4 5	7	3 3	5 5	7 8	10 11	11	10 10	9 2	29	25 12	0 8	7 3 1
11-10-2023 1:00	Night	NML1	SVAN 977 SN:98419 6. SVAN 977 SN:98419 5. SVAN 977 SN:98419 4.	42	0	17	59	40	42 2	6 35 12 32	25 3	12 17	18 Ok, SSO dBA 20 Check, above 50 dBA		-18	-16 -14	-1	4 5	1 3	4	2 1	3 5	E 7	8 7	7	9 10	9 2	30	26 12 26 11 24 17	0 8	6 3 1
11-10-2023 1:15	Night	NML1	SVAN 977 SN:98419 4: SVAN 977 SN:98419 5:	42	0	17	56	45	49 3	12 32 15 31	24 3	51 20 35 15	20 Check, above 50 dBA 18 Ok, s50 dBA		-18		-1	2 10	3 5	6	3 1	3 6	8 10 7 6	12 12 6 5	- 11	7 8	17 2	26	23 10	9 7	7 3 1
11-10-2023 1:45	Night	NML1	SVAN 977 SN:98419 5. SVAN 977 SN:98419 6. SVAN 977 SN:98419 6.	25	0	17	53	45	49 3	55 33 55 32	24 2	29 22 29 27	23 Ok, 550 dBA 28 Ok, 550 dBA	Evaporator cannons audible	-18	-16 -14	4	1 8	3 4	7 10	7 13	8 10	14 12	13 11 20 16	11	11 9	9 1	25	23 10	9 8	6 3 1
11-10-2023 2:15	MgM	NML1	SVAN 977 SN:98419 6.	2 9	0	17	57	45	46 2	34	25 3	50 27	27 Ck, s50 dBA	Evaporator cannora audible	-17	-15 -12	-1	3 8	6 4	9	9 17	11 13	17 16	19 20	16	17 22	16 1	25	19 10	9 8	10 8 1
11-10-2023 2:30	Night Night	NWL1	SVAN 977 SN:98419 6. SVAN 977 SN:98419 4. SVAN 977 SN:98419 4.	7 47	0	17	63	66	68 5		25 4	25 12 31	27 Ok, s50 dBA 29 Check, above 50 dBA	Evaporator cannons audible Evaporator cannons audible; birds LAmax	-18 -15	-16 -14 -15 -13	2	4 8	2 4	9	5 13	9 11	16 16 15 15	19 17 26 24	14 25	14 12 39 38	11 1	25	22 9	9 8 4 12	0 3 1 11 6 2
				9 40 79	0	16	65	52	55 3	55 33 59 34	26 3 26 3	12 23 11 25	22 Check, above 50 dBA 23 Check, above 50 dBA		-17 -18	-15 -15 -15 -15	-1	4 9 2 10	1 4	5	3 11	5 8	10 11	15 17 17 20	12	18 28 16 22	18 18 1	27	23 12	1 9	13 11 7
			SUAN 977 SN:98419 2: SUAN 977 SN:98419 3: SUAN 977 SN:98419 4:	2 57	0	16	65	70	71 5	59 36 10 36	27 4	15 31 16 28	23 Check, above 50 dBA 31 Check, above 50 dBA 26 Check, above 50 dBA	Evaporator cannons audible, bird close to mic - 3 min excluded Evaporator resonors audible.	-18	-15 -13	4	5 9	5 6	11 1	7 16	15 15	19 19	28 26	24	42 41	35 3	27 29 27	24 15	1 8	6 3 1
11-10-2023 4:00	Night	NML1	SVAN 977 SN:98419 5	41	0	16	66	45	47 4	10 35	23 3	11 25	21 Ok, 550 dBA 30 Check, above 50 dBA	Evidousia Passona appea	-18	-15 -14	4	3 7	2 3	3	2 1	1 5	6 9	16 21	14	15 26	20 5	25	22 8	1 1	5 3 1
11-10-2023 4:15	night Night	NWL1	SVAN 977 SN:98419 5. SVAN 977 SN:98419 2: SVAN 977 SN:98419 3:	193	0	16	67 62	71 46	73 4 47 4	11 37	23 4	12 26			-18	-15 -13 -16 -15	-2	5 1	2 4	1	2 2	4 1	3 5	27 24 17 24	15	41 32 20 28	31 3	27	29 14	8 6	5 3 1
11-10-2023 4:45	Night	NML1	SVAN 977 SN:95419 4.1 SVAN 977 SN:95419 2.1	150	0	10	73	75	68 S	51 41 50 48	26 4 12 4	11 31 18 35	27 Check, above 50 dBA 27 Check, above 50 dBA	birds LAmax birds LAmax	-17	-15 -12	-1	5 7	5 5	5	4 2	444	9 11	23 24	27	35 36	31 2	25	25 19	3 7	5 3 1
			SVAN 977 SN:98419 2: SVAN 977 SN:98419 4:	114	0	14	79	72	74 6	54 56	35 5	52 35	28 Check, above 50 dBA	birds LAmax	-17	-14 -11	-4	3 7	2 6	5	2 4	6 9	10 13	25 29	32	44 45	46 3 45 4	44	42 42	6 29	26 17 6
11-10-2023 5:30	regre	PRIVIL 1	SVAN 977 SN:30419 4.	363	- 0	- 13	61	95	30 0	N/ 55	39 5		25 Check, above 50 dBA	birds LAmax birds LAmax birds contaminating 800Hz and 1kHz bands: 630Hz	-10	7 9	-4	1 1	4 9	- 0	3 3	9 0	12 19	19 20	30	49 41		40	54 55	3 40	43 30 20
11-10-2023 5:45	Night	NML1	SVAN 977 SN:98419 3: SVAN 977 SN:98419 2:	75	0	14	79	77	78 6	57 60	45 5	57 39	30 Check, above 50 dBA 27 Check, above 50 dBA	filter more accurate for detecting mine noise	-17	-13 -9	-2	2 8	5 7	7	6 7	12 15	15 20	25 29	37	48 50	51 4	- 43	46 49	5 39	35 27 12
11-10-2023 6:00	Night Night	NWL1	SVAN 977 SN:98419 2: SVAN 977 SN:98419 4:	2 55	0 0	14	79	76	78 6 78 6	55 57 59 59	41 5	54 33 56 40	27 Check, above 50 dBA 30 Check, above 50 dBA		-16	-14 -9 -12 -5	û	0 3	6 12	26 :	7 7	18 18	21 19	22 26 26 30	30	40 45 49 50	5 46 3	39	45 49 44 45	6 40	36 29 13 32 26 10
11-10-2023 6:30	Night	NML1	SVAN 977 SN:98419 4: SVAN 977 SN:98419 3: SVAN 977 SN:98419 2:	500	0	14	82	69	71 6	25 55	37 5	33 33	30 Check, above 50 dBA 26 Check, above 50 dBA 29 Check, above 50 dBA	birds LAmax birds LAmax	-15	-12 -7	-2	2 5	5 7	11	5 6	10 13	10 15	21 26	31	42 46	47 4	40 34	44 45	1 36 7 31	30 22 9
				117	0	15	81	69	72 6	53 54	33 5	34	29 Check, above 50 dBA	birds LAmax	-14	-10 -5	0	7 7	9 9	8	5 7	10 16	14 15	25 23	31	44 44	47 3	37	35 37	4 23	22 14 4
11-10-2023 7:15	Day	NML1	SVAN 977 SN:95419 1. SVAN 977 SN:95419 5.	164	0	15	79	63	54 5 55 5	59 51 55 47	35 4 32 4	19 30 14 30	29 29		-11 -12	-7 3 -3 1	3	9 11 8 12	17 15 14 14	12	12 12 16 14	13 14	16 19 17 20	21 23	25	33 38 29 34	37 3	25	41 45 38 36	2 35 5 27	31 24 11 20 13 4
				2 89	0	17	70	76	78 5	58 50 98 52	33 4	57 35 18 33	32	plane - 3 min excluded	-13	-6 -1 2 1	1	6 16 :	30 34	27 2	20 25	24 22	23 22	23 24	27	34 35	35 3	34	39 41	5 32	29 18 8
11-10-2023 8:15	Day	NML1	SVAN 977 SN:98419 4. SVAN 977 SN:98419 2. SVAN 977 SN:98419 4.	4	0	10	60	67	69 ±	58 52	37 4	19 33	32		-12	1 -1	2	20 15 20 15	24 13	20 :	20 13	13 13	14 17	23 25	27	35 39	41 3	35 35 39	41 42 39 41	0 33	26 20 10
11-10-2023 8:30	Day	NML1	SVAN 977 SN:98419 4.1	257	0	21	49	73	74 #	57 58	38 5	50 36 55 38	35		-12		0		27 14	21 :	23 16	20 22		25 25		45 40	49 4		45 44		29 22 9
11-10-2023 9:00	Oay	NWL1	SVAN 977 SN:98419 4.1 SVAN 977 SN:98419 3.1 SVAN 977 SN:98419 4.	218	0	21	47	72	74 5	50 50	37 4	17 33 18 32	34 29		-12 -12	-3 -1	2	21 17 1		21 2		15 15	15 17	21 23	25 29	33 37 40 42	7 39 3 2 40 3	35	38 39 38 40	9 31	25 19 7 27 21 8
11-10-2023 9:30	Day	NML1	SVAN 977 SN:98419 4. SVAN 977 SN:98419 5. SVAN 977 SN:98419 5.	312	0	22	40	72	74 6	55 50 10 55	34 5	51 38 95 42	36		-10	1 1	3	20 17 :	26 26	22 2	24 27	18 18	17 18	25 25	34	45 46	45 4	35	34 37	5 29	23 15 4
11-10-2023 10:00	Day	NAVE 1	SVAN 977 SN:98419 5: SVAN 977 SN:98419 4:	233	0	23	36	67	69 6	50 53 54 49	35 4	9 3	35		-10	1 2	é	20 15	26 17	22	20 16	16 18	19 21	27 25	30	41 43	43 3	37	37 40 31 34	8 30	26 19 8
11-10-2023 10:30	Day	NWL1	SVAN 977 SN:98419 5: SVAN 977 SN:98419 7:	3 305	0	25	34	73	75 6		36 5	50 32	31		-10	1 2	6	18 15 3	25 23 23 14	17	17 13	13 15	16 18	21 24	25	35 40 35 41	29 3 4 45 3 4 23 3	35	38 40 37 40	8 31	25 19 8
11-10-2023 11:00	Day	NML1	SVAN 977 SN:98419 6.1	2 297	0	25	33	61	69 5	55 49 59 49	34 4	16 32 16 35	31		-10	-1 0	12	16 11 :	21 14	15	17 19	16 17	19 20	21 22	25	31 34 26 33	4 23 3 1 40 2	35	37 40	8 30	25 19 9
11-10-2023 11:15	Day	NML1	SVAN 977 SN:98419 6. SVAN 977 SN:98419 6.	49	0	25	33	65	71 6	51 52 54 53	34 4	10 23	23		-11	-2 -1	.2	15 10	19 17	21 1	15 15	20 22	23 23	23 23	27	40 42 40 43	45 3	32	35 35	5 29	28 19 5
				237	0	25	34	70	73 6	52 52	35 5	50 36	36		-15 -13	-1 -4	-3	18 17 :	24 24	23 2	23 25	23 22	22 21	23 23	28	39 42	42 3		39 43	9 31	30 23 8
11-10-2023 12:00	Day	NWL1	SVAN 977 SN:98419 7. SVAN 977 SN:98419 91	291	0	25 26	32	72	75 E	51 51 57 55	30 4	19 29 33 35	35		-13	7 4	0	5 7	15 21	25 :	10 10	10 14 21 21	20 19	21 20 22 22	25	39 40	43 3 42 4	51	40 35 45 36	3 30	30 26 20
11-10-2023 12:30	Day	NML1	SVAN 977 SN:98419 6: SVAN 977 SN:98419 7:	267	0 0	26	31 29	71	73 5 73 6	50 50 52 50	31 4	15 33 19 33	33		-12 -11	6 2	3	3 12	12 18	23 :	25 22 16 17	20 19 18 20	18 18	19 19	24 29	34 41 41 43	44 3	37	37 35 36 38	2 27	27 22 11 31 31 17
			SVAN 977 SN:98419 7; SVAN 977 SN:98419 5; SVAN 977 SN:98419 5;	210 290 324		27	29	62	67 5	55 49 55 45	32 4	15 33 14 32	28		-11	-5 0	1	4 6	10 11	9 '	11 12	13 16	17 19	21 25 22 23	30	40 35	35 3	32	31 35	2 24	27 22 6 29 15 6
11-10-2023 13:30	Day	NWL1	SVAN 977 SN:98419 6.1	319	0	27	27	65	71 5	55 45 55 45	30 4	16 31	23		-11	6 -1	0	4 4	8 10	9	9 11	12 16	16 19	22 23	26	35 36	37 3	-61	33 29	7 24	23 12 9
11-10-2023 13:45	Day	NWL1	SVAN 977 SN:98419 6.1 SVAN 977 SN:98419 6.5 SVAN 977 SN:98419 6.5	233	0	27	26	63	65 5		34 4 35 4	10 31 17 33	32	plane - 2 min excluded	-10	-4 1 -5 1	5	7 8		23 2		16 17 28 27		21 23 28 27		34 37 34 37	40 3	35	36 38 36 40	5 27 6 29	29 15 12 25 17 9
				225	0	20	25	63	72 5	57 51 56 49	34 4 32 4	17 33 15 29	23		-10 -11	-4 0	4	8 15 T	21 22	25 1	15 15	18 18 14 16	20 21 17 10	23 24 20 20	24	32 35 28 36	42 3	35	37 39 35 36	7 29	25 19 8
11-10-2023 14:30 11-10-2023 14:45 11-10-2023 15:00			SUAN 977 SN-98419 71 SUAN 977 SN-98419 71 SUAN 977 SN-98419 6.	2 233	0	20	24	62	71 5	58 47 55 49	32 4	16 32 15 33	31		-10	4 0	5	6 12 8 11	16 19	18 20 2	17 15	16 18	18 20	22 24 23 23	25 24	29 37	44 3	34	33 34 37 39	0 24 7 30	19 12 3 25 17 8
11-10-2023 15:15	Day	NWL1	SVAN 977 SN:98419 10: SVAN 977 SN:98419 5:	133	0	27	25	54	66 :	55 49	32 4	16 34	м		-10	5 -1	4	6 9	14 19	18	16 15	23 23	23 24	24 24	25	33 35	2E 3	25	37 39	8 31	25 18 8
				105	0	20	24	65	67 5	50 48 55 50	32 4 35 4	16 35	33		- 4	-4 1 -1 2	5	8 9	14 15	19 2	15 16	17 20 17 21	20 22 22 25	24 24 27 27	24 28	26 28 29 31	22 2	42	39 40 40 40 39 41	8 29 7 32	24 16 8 26 18 8
11-10-2023 16:00	Oay	NML1	SVAN 977 SN:95419 6. SVAN 977 SN:95419 6.	127	0	28 27	25	58 58	70 5	59 50 52 43	37 4 32 4	18 39 10 31	37		-8 -10	-2 1 -5 -1	5	9 10	14 15 10 12	12	17 18 13 13	19 25	24 28 19 22	32 31 24 25	33 24	37 37 27 30	36 3	35 29	39 41 30 31	9 30 8 20	27 21 6 13 7 2
				104		27	25	67	70 5	58 48 50 50	30 4	16 29	27		-13		0	4 15	19 16	9	7 7	7 8	11 14	18 23 17 23	23	30 32	2 39 3		38 38 36 37		
11-10-2023 16:45	Day	NML1	SVAN 977 SN:98419 5.1 SVAN 977 SN:98419 2.2 SVAN 977 SN:98419 3.2	141 130	0	27	24	65	71 6 71 6		34 5	50 30	30		-13	-8 -3	-1	4 9	19 22	13	17 21	13 12	11 13	1/ 23 18 20	25 23 24	37 39 29 37	44 3 44 4 45 4	30 42	36 37 40 42 40 41	4 25 0 33 9 33	28 19 9
11-10-2023 17:15	Day	NWL1	SVAN 977 SN:98419 3: SVAN 977 SN:98419 2:	120	0	27	24	70 63	72 6 65 5	52 53 55 46	30 5	50 28 13 29	25		-10 -9	-3 3	6	9 11	13 11 17 12	14	5 6	1 0	12 15 14 17	19 20 21 22	24	30 38 27 29	37 3	34	40 41 33 36	9 33 5 27	27 20 10 23 16 6
11-10-2023 17:45	Day	NML1	SVAN 977 SN:98419 2. SVAN 977 SN:98419 1. SVAN 977 SN:98419 0.	183	0	26	26	63	65 5	56 48 51 43	31 4	15 32 16 35	32	sircraft - 2 min excluded	-11	3 2	4	7 10	7 16	33 2	25 25	33 30	30 28	28 27	25	27 27	30 3	34	35 37	5 25	23 15 6
11-10-2023 15:15	Evening	NML1	SVAN 977 SN-98419 2: SVAN 977 SN-98419 2:	72	0	25	28	71	73 5	57 45	31 4	5 <u>31</u>	27	plane - 4 min excluded plane - 2 min excluded	-18	-16 -14	4	1 7	10 17	22	11 16	22 22	24 21	22 21	27	35 35	39 3	32	36 25	1 17	10 6 2
11-10-2023 18:45	Evening	NML1	SVAN 977 SN:98419 6.5	96	0	23	31	56	79 6 57 5	51 51 55 54	39 5 45 5	50 32 51 26	26		-17	-16 -15 -14 -13	-3	4 4	10 8	18 1	9 8	22 21 12 14	25 21 15 17	23 22 17 17	17	18 20	22 2		50 24	9 22	13 10 4 15 14 6
11-10-2023 19:00	Evening	NML1	SVAN 977 SN:98419 10: SVAN 977 SN:98419 7:	45	0	23	36 43	56 57 59	58 5	55 55 53 52	51 5	53 34 51 31	33	evaporation cannons and wind co-dominant evaporation cannons and wind co-dominant	-3	3 -1	-1	6 14 8 12	13 11	12	13 16	19 22	23 25	26 27 23 24	26 23	26 26 23 23	22 2 25 25 2	43	53 27	4 24	19 16 7 15 12 #
					-1	7	7	7	T					evaporation cannors and wind co-dominant. Wind gusts - 2 min	1	77	1			T		1									
11-10-2023 19:30 11-10-2023 19:45	Evening	NML1	SVAN 977 SN 98419 9, SVAN 977 SN 98419 8, SVAN 977 SN 98419 10,	57 54	0	22	48 52	57	59 5	53 53 52 51	49 5 42 4	51 32 67 30	30	excluded evaporation cannons and wind co-dominant	-7 -9	-5 -4	-1	6 5	14 9	10	12 14 12 12	17 20 14 18	21 23 19 21	25 25 23 23	25 23	25 25 23 22	24 2	42	51 26 46 23	3 23 0 20	17 12 6 14 10 5
11-10-2023 20:00	Evening	NML1	SVAN 977 SN:98419 10.	57	0	21	55	55	57 4	18 45	41 4	13 33	23	evaporation cannons and wind co-dominant	- 4	-3 -2	1	7 8	14 11	12	14 17	18 21	23 24	25 26	25	25 25	25 2	37	41 23	2 20	17 10 4
11-10-2023 20:15	Evening	NML1	SVAN 977 SN:98419 91	71	0	20	59	61	63 4	16 43	39 4	12 33	32	evaporation cannons and wind co-dominant. Wind gusts - 5 min excluded	-3	-1 0	3	8 7	13 11	12	15 17	19 22	24 26	27 28	25	28 29	30 Z	34	38 25	3 22	18 12 4
11-10-2023 20:30	Evening	NML1	SVAN 977 SN 98419 8.1 SVAN 977 SN 98419 9. SVAN 977 SN 98419 8.2	65	0	20	52 54	45	46 4		38 4	10 33 10 32	33	evaporation cannors audible. Wind gusts - 2 min excluded evaporation cannors audible	- 4	-3 -2	2	7 5	13 10	11	13 16	19 21	23 25	26 27	27	26 26	25 2	34	36 24 36 22	3 21	17 11 4
11-10-2023 21:00	Evening	NML1	SVAN 977 SN 98419 8:	72	0	19	65	47	53 4 47 4	14 41	36 3	22 32	32	evaporation carnors audilie	-11	3 3	3	9 7	15 12	15	13 14	19 20	22 23	23 23	23	23 22	25 2	33	36 20	8 16	13 7 2
				73 75	0	10	67 68	52 42	53 4	13 40 10 39	37 3	59 32 56 26	26	evaporation cannons audible evaporation cannons audible	-9 -14	-7 -4 -11 -8	-2	7 3	14 12 13 8	7 7	13 14	20 20	24 23 15 16	22 22 17 16	21 16	22 21 19 19	20 2		36 19 35 17	7 16 3 12	12 7 2 9 5 1
11-10-2023 21:45	Evening	NWL1	SVAN 977 SN 98419 6. SVAN 977 SN 98419 6. SVAN 977 SN 98419 5.1	G5	0	10	59 70	72	73 4	19 39	35 4	16 25 17 24	25	evaporation cannors audble evaporation cannors audble	-15 -17	-13 -10 -15 -11	-1	7 2	12 7	7 7	10 a	10 14	14 15	16 16	17	26 35 19 18	39 3	34 43 32	37 33 35 15	7 22	19 20 16 12 7 4
11-10-2023 22:15	Night	NML1	SVAN 977 SN 98419 51 SVAN 977 SN 98419 71 SVAN 977 SN 98419 71	76	0	18	72	61	55 3	9 35	35 3		25 Check, above 50 dBA	evaporation cannons audible; impact on mic LAmax	-17 -15	-15 -10	-1	6 2	12 7	7	14 15	14 19	20 18	16 16	17	20 20	20 20 2	32	36 15 34 16 32 14	5 14	11 7 3
11-10-2023 22:30 11-10-2023 22:45	Night Night	NWL1	SVAN 977 SN:98419 7.1	57	0	18	72	45 54	47 2 65 2	55 37 59 37	33 3 32 3	10 24 19 25	24 Chark shove 50 dBA	evaporation carronn auchier norman I Amer	-15 -15	-13 -10 -12 -10	1	5 2	6 8 7 7	9 '	10 9	10 12 10 12	14 15 14 15	16 16 16 16	15	18 18 23 25	15 9 30 3	31	32 14 32 22	3 12 2 17	и 5 1 14 8 3
11-10-2023 23:00	Night	NML1	SVAN 977 SN 98419 7. SVAN 977 SN 98419 6.1	54	0	17	74	43	45 2	55 36 54 35	32 3 33 4	5 25 H 20	25 Ok, 550 dBA 25 Check, above 50 dBA	evaporation carmons audible evaporation carmons audible; possum LAmax - 4 min excluded	-12 -8	-10 -8 -7 -5	1	5 0	5 5	5 8	9 15	12 15	16 18 22 24	18 18 28 79	18	19 19	18 1	30	30 17	6 15 0 31	12 6 2 26 17 5

End Time Tim	ne Loc	cation Logger	Mine Weath	er Data			Ray 15	5-minute Statio	stical Data	$\overline{}$		Loosum LAeo	15min totals - for Report	Lmax Requires Further	le control de la	Raw LAe	a támin 1/3 Spectru	m														
Per	riod		Wind Speed	Wind Ra	einfall Temp em) (oC)	P Humidity	LAmex	LAImax L	A1 LA	do LA	GO LAs	q LAwq S1 kHz	LAcq SIG30 Hz (incl +2.3 dB	Review		20Hz 2	25Hz 31.5Hz 4	OHz SON	4t 23Ht 2	OHz 10	125Hz	160Hz 200Hz	250Hz 315Hz	400Hz 500Hz	220Hz 200Hz	1kHz 1.25kh	tz 1.6kHz	28Hz 2.58Hz	3.15kHz 4kHz	58/tz 6.38	tz Sketz 10ketz	12.5kHz 16kHz
			(43414)	Director (in	119 (00)	(.4)						correction)	correction)																			
		L1 SVAN 977 SN:98419	_									0.7			Comments (dominant/noteworthy sources).																	
11-10-2023 23:30 No	the NAVI	L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419	7.	2 65	0	17 74	4 5	53 55	41	39	32	36 29		Check, above 50 dBA Check, above 50 dBA	evaporation cannors audible; possum LAmex - 1 min excluded evaporation cannors audible; possum LAmex	-12	-10 -8	-2	7 2	7	7 7	7 11 6 9	14 16	16 20	21 21	21 2	21 21	19 20	33	28 17	18 18 14	7 1
12-10-2023 0:00 No	the NAV	L1 SVAN 977 SN:98419		\$ 54	0	16 74		52 55	41		30		26	Check, above 50 dBA		-15	-12 -9	0	6 1	7	6 7	6 9	12 14	16 17	18 18	17 1	19 19	15 15			16 14 12	
12-10-2023 0:15 Ng	the house	L1 SVAN 977 SN:98419	5.	. 65	0		4 4	95 51	41	40	31		26	Ok, 550 dBA		-13	-11 -9	0	6 2	9	7 7	6 10	12 15	16 18	18 18	15 1	19 19	17 18	34		16 14 11	6 2
		L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419		1 63	0	16 74	4 4	95 49 99 50	43	40	29	36 24 41 19	24	Ok, s50 dBA Ok, s50 dBA		-15	-12 -10	-1	5 -1	- 8	5 7	3 3	10 13	14 15 8 9	16 15	15 1	17 19	16 16	34	29 14	14 12 5	5 1
			5.0	0 63	0	15 70	6 4	45 50	47	44	26	42 17	17	Ok, s50 dBA		-16	-14 -13		5 -1	o	4 0	3 -1	1 3	4 6	7 7	8 1	15 17	12 12	35	40 12	13 12 11	3 1
12-10-2023 1:15 Ng	the Nove	L1 SVAN 977 SN:98419	4.	7 65	0	15 77		45 50	48 37	47		44 21 30 21		Ok, 550 dBA		-17	-15 -13	- 1	5 -2	0	3 -1	-2 0	2 3	5 6	13 17	10 1	16 24	15 13	32	42 12	12 12 10	5 1
		L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419		4 41	0	15 78	0 5	45 47 52 52	43	34	24	30 21	22	Ok, SSO dBA Check, above 50 dBA		-17	-15 -12 -13 -6	-1	8 6	15	6 10	10 3	16 18	20 19	10 10 20 17	15 2	13 14	9 10 21 18	28	22 9 24 13	9 7 6	3 1
12-10-2023 2:00 No	phe Nove	L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419	3.0	6 33	0	15 82	2 5.	52 64	46	45	23	40 21	21	Check, above 50 dBA Check, above 50 dBA	birds LArrax	-13	-6 -2	5	7 4	12	5 1	7 3	7 11	10 10	9 8	9 1	12 15	14 22	35	35 25	18 15 11	7 1
12-10-2023 2:15 Ng	the NAVE	L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419	1.	4 345 2 226	0	14 54	4 5 7 5	51 53	47 46	45	22			Check, above 50 dBA Check, above 50 dBA		-17	-14 -12	0	5 0	13	5 3	6 3	8 10 13 14	10 11	11 9	11 1	13 14	14 19	33		11 10 12	12 1
12-10-2023 2-45 No	the NAV	L1 SVAN 977 SN:98419	12	4 198	0	13 85	9 5	54 56	40	33	22	31 27		Check, above 50 dBA		-17	-14 -10	-1	3 5	15	8 9	11 6	13 14	16 16	15 16	16 1	16 24	21 19	22	18 14	12 9 6	3 0
12-10-2023 3:00 No	the NA	L1 SVAN 977 SN:98419	2.	2 98	0	13 91	1 5	51 52	42	31	22	30 27	20	Check, above 50 dBA	birds LAmax	-17	-13 -13	0	4 0	15	11 12	12 7	12 15	15 14	17 22	16 1	18 25	19 15	20	18 13	10 9 6	3 0
12-10-2023 3:15 Ng	the Nove	L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419	3.	2 55	0	14 91		17 51	45	35	20	33 22	22	Ok, s50 dBA Check, above 50 dBA		-17 -18	-14 -13	-1	3 -3	11	4 1	7 1	6 10	13 12	12 15 20 27	14 1	14 13	10 7	29	30 8	8 8 6	3 0
12-10-2023 3:45 No	the NAVI	L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419	1.	2 64	0	13 90	3 6	29 71	43	37	21	35 23	27	Check, above 50 dBA	birds LAmax	-17	-12 -11	0	5 2	13	6 4	7 6	10 14	14 16	22 25	21 2	25 23	23 16	18	13 13	11 11 2	3 0
12-10-2023 4:00 Ng	te tou	L1 SVAN 977 SN:98419	4.0	0 56	0	14 93	3 6	51 63	44	35	21	34 31	28	Check, above 50 dBA	birds LAmax	-14	-11 -6	2	6 4	13	8 7	7 7	11 14	15 18	22 25	20 2	27 29	24 16	15	13 11	9 9 5	3 0
12-10-2023 4:15 Ng	the NAVE	L1 SVAN 977 SN:98419	5.	4 31	0	14 90	2 5	59 62	43	39	20	34 30	25	Check, above 50 dBA	birds LAmax	-16	-14 -11	- 1	5 3	2	6 4	8 7	9 11	11 12	20 28	20 2	21 30	25 17	17	14 12	10 10 7	3 0
12-10-2023 4:30 No	the NAVE	L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419	5.	4 42	0	14 90	5 6	7 70	43	41	22	30 31	25	Ok, SSO dBA Check, above 50 dBA	birds LAmax	-16	-13 -12	-	4 1	12	6 3	9 4	7 12	12 11	20 29	24 2	29 24	31 25	27	26 23	17 8 6	3 0
12-10-2023 5:00 Ng	te tou	L1 SVAN 977 SN:98419	4.	7 46	0	14 93	3 7	71 72	52	50	31	49 34	26	Check, above 50 dBA	birds LAmax	-17	-14 -12	0	5 0	11	6 2	8 3	7 12	11 11	21 25	31 4	12 42	40 34	41	38 42	33 27 25	5 16 G
			1	1		1	1								birds LAmax; birds contaminating 800Hz and 1kHz band. 630Hz							1	1 1				1	1				
12-10-2023 5:15 Ng	phe house	L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419	6.	1 33	0	14 93	3 7	74 76	63	58	34	53 39	27	Check, above 50 dBA	filter most accurate for detecting mine noise.	-15	-12 -9	0	4 2	12	6 4	9 5	8 14 10 14	14 14	22 29	37 4	13 43	46 40	46	45 46	39 34 30	22 10
12-10-2023 5:30 Ng	ne Nove	L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419	5.1	16 16	0	14 90	3 8	11 82	65	58	42	57 36		Check, above 50 dBA Check, above 50 dBA		-15	-11 -9	-1-	4 3	13	7 6	10 7	10 14	14 16	22 27	34 4	49	55 44	41	41 42	40 33 X 41 35 X	23 9
12-10-2023 6:00 No	the Nove	L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419	4.	3 36	0		1 6	29 71	62	55	40		20	Check, above 50 dBA	birds LAmax	-14	-11 -6	-	3 4	14	8 14	12 5	13 15	17 10	22 27	31 4	11 43	45 41	39	42 43	42 37 30	22 11
12-10-2023 6:15 Ng	the total	L1 SVAN 977 SN:98419	3.	2 40	0	15 86		11 63	63	55	36	53 37	30	Check, above 50 dBA	birds LAmax and crow close to mic - 1 min excluded	-16	-13 -9	2	5 5	16	14 19	12 10	13 16	16 20	27 28	36 4	47	45 41		36 37	36 30 24	
12-10-2023 6:30 Ng	the Nove	L1 SVAN 977 SN:98419	2.	9 56	0	16 87	7 6	55 68	51	51	32	48 32	28	Check, above 50 dBA Check above 50 dBA	birds LAmax birds LAmax	-15	-11 -6	-1-	5 4	14	10 11	9 10	11 14	15 17	22 25 18 23	28 4	12 43	43 37	32		31 26 20	12 3
12-10-2023 7:00 No	te tou	L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419	8.	3 22	ő	17 51		19 70	63	54	34	51 32	270	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	birds LAmax	-11	7 4	0	5 8	12	9 8	8 10	11 15	15 17	21 24	29 4	11 43	47 39	36	36 39	39 33 27	
				5 24	0	18 78	3 6	59 70	60	48	33	47 33	27			-11	-8 -2	٥	4 7	11	9 8	5 9	11 14	16 18	21 25	30 3	22 42	42 35	33	34 33	32 24 18	10 2
12-10-2023 7:30 Ow	y NAME	L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419	9.	4 12	0	18 72	3 7	71 71	51	45	33	46 35	25			-5	-6 -2	9	4 8	10	8 8	8 10	12 15	16 18	23 25	33 4	11 42	43 35	33 40	31 32 40 36	30 24 17 28 23 20	10 3
12-10-2023 8:00 Ow	y NM	L1 SVAN 977 SN:98419	11.	2 11	0	19 63	3 6	55 68	50	51	31	48 31	29			-5	-6 -4	ò	4 6	10	10 11	9 12	14 17	19 20	22 25	25 3	33 38	37 35	40	43 42	34 29 25	
12-10-2023 8:15 Ow	y NM	L1 SVAN 977 SN:98419	12.	5 11	0	20 50	5 7-	74 75	83	45	32	49 35	32			-1	0 2	- 4	7 7	10	13 14	13 16	17 20	22 23	25 26	30 4	12 45	42 32	35	35 34	29 25 20	13 4
12-10-2023 8:30 Ow	y NAVE	L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419	11.	2 355	0	21 54	4 6	55 58	50	50	32	48 35	23			-1	0 2	- 5	7 8	-11	11 12	14 15	18 20	22 24	25 26	30 3	35 43	39 35	35	39 37	32 26 22	15 5
12-10-2023 9:00 Day	y NM	L1 SVAN 977 SN:98419	12.0		0	22 52	2 6	55 67	57	45	35	45 33	32		aircraft - 2 min excluded	- 4	4 1	2	6 8	12	17 24	25 25	25 24	25 23		30 3	15 40	37 33	34	35 34	29 24 22	10 4
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12-10-2023 9:30 Ow	y NAME	L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419	117	9 355	0	23 44	4 6	50 63	54	47	34	44 32	31			-40	4 -3	0	14 16	19	16 18	17 18	16 17	20 21	22 23	25 2	12 37	34 33	37	33 34	32 25 21 32 27 22	
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		L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419		2 295	0	29 25	5 5	58 70	58	49	31	46 28	27			-11	5 -3	-1	3 5	12	10 9	10 12	12 15	17 18	19 20	21 2	27 34	42 35 47 40	35	37 39	35 25 24	
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12-10-2023 15:00 Ow	y NM	L1 SVAN 977 SN:98419	6.3	5 305	ő	29 24	4 6	54 68	54	46	31	43 32	32			-12	4 3	- 3	11 14	19	24 17	18 20	16 16	19 20	22 24	24 2	28 34	41 33	25	28 28	23 18 22	17 3
12-10-2023 15:15 Ow	y tox	L1 SVAN 977 SN:98419	8.	3 313	0	29 24	4 7.	73 75	62	48	30	50 31	28			-12	-3 -1	2	5 9	14	17 11	13 11	12 14	16 12	21 23	26 3	34 39	45 35	37	35 35	33 25 22	15 6
12-10-2023 15:30 Ow 12-10-2023 15:45 Ow	y NAME	L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419	67	5 267 3 286	0	29 27	3 7	ru 72	56 57	45	31 29	46 32	32			-12	-6 -4	-1	7 1	19	4 14	18 21 7 10	13 16	19 20 18 21	22 22 23 24	23 2	co 34 30 37	41 38	20	35 37 29 30	35 29 24 27 19 15	15 7
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12-10-2023 16:15 Ow	y NM	L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419	9.	7 262 0 273	0	29 22	3 6	57 70	57	45	30	45 33	32			-14	-7 -5	-1	11 15	17	13 13	11 12	16 18	20 22		27 3	12 41	37 32		31 34		
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															RTN; note birds contaminating 800Hz and 1kHz bands; 630Hz																	
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12-10-2023 22:00 Ew	ening Nava	L1 SVAN 977 SN:98419 L1 SVAN 977 SN:98419	14.0	1	0	21 50	5 5	52 55	50	49	42	47 38	37		wind noise dominant (excluded)	7	9 10	11	12 13	14	15 16	17 20	22 25	27 28	30 30	31 3	30 30	30 25	40	45 27	26 25 21	14 6

The content will be content	End Time Time Location Logger Mine Weath	er Data Raw	w 15-minute Statistical Data	Logaum LAeq15min total Lmax Requires Further Comments (dominantholeworthy sources). Review Review	Star Likes Stins 1.0 Spectrum	
	Period Wind Speed (kmbr)	Wind Rainfall Temp Humidity LAm Direction (mm) (oC) (%)	max LAlmax LA1 LA10 LA90 I	(nci +1.6 dB	2016 2916 31 516 9016 5016 5016 5016 5016 5016 5016 5016 5	Hz 16kHz
Column				1.0		
	04-10-2023 22:15 Night NML4 SVAN 977D SN:99021 18.3 04-10-2023 22:30 Night NML4 SVAN 977D SN:99021 19.1	2 0 20.1 75				27 18 27 17
	04-10-2023 22-45 Night NML4 SVAN 977D SN-99021 17.6 04-10-2023 23:00 Night NML4 SVAN 977D SN-99021 16.5	5 360 0 20 76 9 357 0 19.6 77	59 72 50 55 47 55 57 57 53 44	53 67 Check, above 50 dBA Included - Wind 50 40 Check, above 50 dBA Included - Wind & Helicopter	6 12 22 11 54 27 18 27 33 29 30 34 33 37 38 40 41 41 41 41 41 41 41 42 42 42 42 41 34 35 3 3 5 2 6 9 11 14 19 21 26 27 32 32 32 33 35 35 37 37 39 38 33 33 33 38 38 32	25 15 19 9
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Column	04-10-2023 23-45 Night NML4 SVAN 977D SN-99021 12:3	2 331 0 19.1 52	45 49 47 46 32 50 50 48 44 33			7 2
Column	05-10-2023 0:15 Night NML4 SVAN 977D SN:99021 10.1	329 0.1 18.8 85	51 57 46 44 29	30 30 Check, above 50 dBA 5 minutes excluded. Wind, vehicle passibys. L4max - Wind.	-14 -12 -9 -4 -1 1 7 5 8 12 15 17 21 23 26 26 27 28 28 28 28 28 28 29 29 29 29 29 29 22	14 6
	05-10-2023 0:45 Note: NVL4 SVAN 977D SN:99021 7.6	193 0 17.3 98	33 34 32 30 24	28 16 Ok. 550 dBA		4 2
State Stat	05-10-2023 1:15 Nght NML4 SVAN 977D SN-99021 12:3	2 194 0.6 13.9 100	65 70 56 54 47	51 4) Check, above 50 dBA Included Rainfall exceedance, wind	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2	24 16
	05-10-2023 1:45 Note: NWL4 SVAN 977D SN:99021 13.0	179 0.5 12.2 100	61 61 59 58 51	53 48 Check, above 50 dBA Excluded - Reinfall exceedance, wind	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	25 14
	05-10-2023 2:00 Night NML4 SVAN 977D SN:99021 10.8 05-10-2023 2:15 Night NML4 SVAN 977D SN:99021 11.3	181 0.2 11.6 100	56 57 53 52 45 51 52 50 46 33	43 62 Check, above 50 dBA Isokadel-Rainfall exceedance, wind 42 31 Check, above 50 dBA 5 minutes excluded. Wind: LAmax - Wind	5 6 7 9 11 12 15 17 20 24 27 29 31 33 34 36 37 36 38 37 36 39 37 36 39 37 37 30 39 37 37 30 39 39 39 39 39 39 39 39 39 39 39 39 39	20 10 15 6
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	05-10-2023 4-15 Name MMI 4 RUSN 9770 RN-99021 3.3	299 0 11.8 100		29 28 Ok. 550 dBA	177 155 153 3 4 4 5 4 4 3 3 3 3 2 0 1 5 8 9 12 12 10 8 8 8 19 18 9 9 9 6 11 17 14 150 2 3 4 1 7 11 12 16 23 21 13 10 9 1 13 13 1 8 8 8 2 20 20 9 9 8 12	6 2
	05-10-2023 4:30 Night NML4 SVAN 977D SN-99021 3.6	5 334 0 11.8 100 4 22 0 11.7 100	46 49 30 28 19 54 56 40 31 22	25 14 Ok, 550 dBA 30 23 Charik shows 50 dBA (Limits - Insants	-17 -15 -12 -6 -3 -4 -2 -1 -4 -3 -3 -4 -1 -2 -4 -7 -10 -15 -54 -11 -9 -7 -10 -20 -9 -9 -8 -6 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	4 2
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March Marc		328 0 12 100	64 67 57 46 32	44 23 Check, above 50 dBA LAmax - Birds	-16 -13 -10 -5 9 1 6 6 6 5 5 4 6 7 12 15 17 22 27 33 40 34 30 36 36 30 20 15 9	4 2
	05-10-2023 6:00 Night NML4 SVAN 977D SN:99021 4.0	3 346 0 123 100	71 73 55 44 32	43 23 Check, above 50 dBA LAmix - Birds	-16 -13 -6 -4 2 1 5 6 4 4 6 5 8 14 14 19 27 30 37 39 33 29 30 29 20 29 20 12	5 2
	05-10-2023 6:35 Night NML4 SVAN 977D SN:99021 3.6 05-10-2023 6:30 Night NML4 SVAN 977D SN:99021 2.5		57 59 50 44 31 60 63 50 46 32	43 24 Check, above 50 dBA LAmax - Birds	-15 -14 -6 -3 -3 -4 -9 -9 -9 -17 -11 -9 -15 -17 -25 -25 -25 -25 -25 -25 -25 -25 -25 -25	4 2
	05-10-2023 6:45 Night NML4 SVAN 977D SN:99021 3.2 05-10-2023 7:00 Night NML4 SVAN 977D SN:99021 2.5		68 71 49 42 28 68 71 55 45 30	 23 Check, above 50 dSA LArexx - Birds Check, above 50 dSA 2 minutes excluded. Helicopter & vehicle passby. LArexx - Birds 	- 14 - 11 - 6 1 8 6 7 6 27 12 8 9 10 12 11 15 22 23 27 23 10 15 10 15 10 17 17 14 26 21 27 23 31 31 22 24 24 18 16 10 10 16 16 17 19 22 29 33 30 31 22 24 24 18 16 10 10 16 16 17 19 22 29 33 30 32 31 33 32 27 23 10 14 10 10 10 10 10 10 10 10 10 10 10 10 10	4 2
State Stat	05-10-2023 7:15 Day NAL4 SVAN 977D SN:99021 2.2 05-10-2023 7:30 Day NAL4 SVAN 977D SN:99021 4.0	2 332 0 14.1 90 0 261 0 14.6 85	73 75 63 50 30 66 69 49 42 29	50 24	-14 -10 -3 0 7 7 8 6 9 6 7 8 10 10 15 15 16 21 28 36 38 42 41 39 44 45 35 27 20	9 2
	05-10-2023 8:00 Day NML4 SVAN 977D SN:99021 6.1	221 0 15.4 70	58 60 51 43 29	40 34 38 24	-14 4 5 2 3 8 7 7 6 5 7 8 10 12 17 17 24 27 32 31 30 30 28 27 22 19 10 11	4 2 5 2
	05-10-2023 8:15 Day NML4 SVAN 977D SN:99021 6.5	218 0 15.6 70		40 28 43 32	-12 -7 -2 0 5 9 11 9 9 12 15 16 16 20 22 25 29 34 30 31 29 26 26 26 25 23 15	7 3
Column C	05-10-2023 8:45 Day NML4 SVAN 977D SN:99021 11.5	193 0 162 74	63 64 50 45 36 60 63 50 45	40 34	-3 0 3 3 6 10 13 12 13 16 19 20 23 24 26 27 28 30 34 32 32 33 33 33 32 39 22	13 6
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	05-10-2023 9:45 Day NML4 SVAN 977D SN:99021 12.6	2 212 0 17.2 68 1 195 0 17.9 64	50 52 52 49 39 57 50 51 49 40		-2 C 4 4 7 7 3 16 13 14 15 17 22 22 15 26 22 27 22 25 32 33 34 34 35 35 35 35 37 37 37 37 37 37 37 37 37 37 37 37 37	19 11
Martin	05-10-2023 10:15 Day NML4 SVAN 977D SN:99021 10.4	213 0 18 61 4 205 0 18 60	58 59 52 49 38 53 64 50 45 36	45 35 2 minutes excluded. Wind & Airplane passiby. 42 33	-5 -2 3 3 7 11 25 27 28 20 22 22 23 22 27 28 30 31 32 34 34 34 34 34 34 35 34 32 25 7 3 3 2 5 9 10 10 14 15 16 19 22 24 28 27 28 37 32 30 32 33 32 32 32 33 32 32 34 32 22 22 24 28 27 28 37 28 37 38 38 38 38 38 38 38 38 38 38 38 38 38	16 8 14 7
Section Sect	05-10-2023 10:30 Day NML4 SVAN 977D SN:99021 11:5 05-10-2023 10:45 Day NML4 SVAN 977D SN:99021 11:5	215 0 18.9 56	55 57 51 47 37 62 63 51 48 36	43 25 45 36	-3 0 2 4 7 10 12 13 14 10 21 22 25 27 29 30 31 32 34 33 30 33 34 35 35 35 33 26	16 9 17 10
	05-10-2023 11:00 Day NML4 SVAN 977D SN:99021 12:0 05-10-2023 11:15 Day NML4 SVAN 977D SN:99021 13:0	225 0 18.8 55 227 0 19 53	56 58 47 45 31 58 58 52 50 40	40 32 5 minutes excluded, Wind.	6 -2 -1 1 6 9 13 11 12 14 17 19 21 23 25 26 27 27 28 28 31 30 30 31 31 31 32 22 23 3 3 9 8 11 11 15 18 21 22 26 26 28 29 31 33 34 35 35 35 28 28 37 33 37 38 29 20	14 7 20 13
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Column C	05-10-2023 12:15 Day NML4 SVAN 977D SN-99021 10.1	218 0 19.3 46 1 218 0 19.4 48	55 56 53 48 35	4 3		17 10
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		249 0 203 41	51 54 53 50 36 55 57 53 47 36	44 33		19 12 18 11
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Second	05-10-2023 14:30 Day NWL4 SVAN 977D SN:99021 11.2	252 0 204 37	55 57 50 46 32 54 55 48 43 34	41 34 I minute excluded. Airplane passiby. 40 36	-12 -7 -2 1 6 14 18 29 33 25 24 24 23 23 24 25 27 30 29 30 29 30 30 30 30 37 22	15 9
Second	05-10-2023 14-45 Day NML4 SVAN 977D SN-99021 10.8		59 60 49 45 32	42 32	12 4 9 9 3 7 8 9 15 15 15 15 22 22 22 22 22 23 31 31 31 32 33 33 33 33 33 33 33 33 33 33 33 33	15 10
Second Column March Marc	05-10-2023 15:15 Day NWL4 SVAN 977D SN:99021 9.7	259 0 20.3 38		41 31	-11 -8 -2 3 7 9 9 8 10 10 10 17 20 22 24 25 26 26 25 33 33 32 26 31 31 31 31 31 28 22	15 10
Second Burg Mary	05-10-2023 15:45 Day NML4 SVAN 977D SN:99021 10.1			40 34		13 8
Section 1.	05-10-2023 16:05 Day NML4 SVAN 977D SN-98021 10.1	239 0 21.5 36	73 74 60 47 36	42 32 46 33	-10 -5 10 8 7 9 10 15 14 16 18 19 22 23 25 27 30 29 31 46 31 34 40 35 34 35 31 24	17 12
1. 1	05-10-2023 16:30 Day NML4 SVAN 977D SN:99021 9.4 05-10-2023 16:45 Day NML4 SVAN 977D SN:99021 11.5	234 0 21.6 35	54 57 50 46 33 54 57 49 44 33	45 34 40 29		16 12 11 8
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1. Section Services Med. 2. Mode Provided Provid	05-10-2023 17:30 Day NML4 SVAN 977D SN:99021 9.0 05-10-2023 17:45 Day NML4 SVAN 977D SN:99021 6.5	3 241 0 21 37 5 239 0 20.1 39	55 58 45 39 29 60 63 47 39 29	26 28 37 38	-12 -4 1 7 4 8 12 16 21 16 15 13 15 18 25 19 19 23 26 27 27 27 24 22 31 24 22 19 10	7 3 5 2
1			72 74 61 60 31 63 65 61 61 40	55 33 1 1 minute excluded. Bird calls & Insects.	-14 -10 -7 -4 1 1 2 4 6 10 12 19 20 22 19 20 22 26 30 45 50 44 32 33 31 26 22 14	10 4 6 2
See No. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	05-10-2023 18:30 Evening NML4 SVAN 977D SN:99021 7.2	193 0 18 44 185 0 17.3 46	66 68 57 40 34 42 43 41 39 33	43 30 36 27		6 2
Control Reserve Control Re	05-10-2023 19:00 Evening NML4 SVAN 977D SN 99021 7.2	188 0 167 48	44 44 43 47 40	Sachaded - Wind - Spectrum Indicates water carmons are there at 200 h said difficult to detect over wind note:	-13 -19 -6 -2 7 2 6 7 11 15 19 20 23 24 25 27 28 29 29 29 30 30 30 30 31 30 30	10 3
Accordance Acc	05-10-2023 19:15 Evening NML4 SVAN 977D SN:99021 6.1 05-10-2023 19:30 Evening NML4 SVAN 977D SN:99071 6.8	203 0 163 50	45 50 44 43 40 45 46 46 44 41	42 34 Excluded - Wind. As above RE under carmons. 43 36 Excluded - Wind & Arphine	12 16 4 2 4 3 7 11 17 18 12 12 12 12 12 12 12 12 12 12 12 12 12	11 4
6.0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-		190 0 15.5 52	51 51 48 46 40	44 37 Estaded - Wed & Welkie purby	4 4 3 3 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	13 5
3. A STATE OF THE PROPERTY OF	05-10-2023 20:15 Evening NML4 SVAN 977D SN:99021 42	196 0 146 55	50 53 43 42 37	40 32 Inches wouse, who a secult passity.		9 3
Separate Burns MAL (1987) (1988) (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			ur 50 47 46 41	Excluded - Wind. Spectrum indicates water carmom are there still at		11
## MAI DAYSTORMSON AL DAYSTORMSON ALD ALL DAYSTORMSON ALD ALL DAYSTORMSON ALD ALL DAYSTORMSON ALD ALL DAYSTORMSON ALD ALD ALL DAYSTORMSON AL	05-10-2023 21:00 Evening NML4 SVAN 977D SN:99021 3.6	186 0 137 58	47 46 45 41 45 46 44 42 39	43 35 Eschaded - Wind. As above EE water camors.	-14 -10 -5 -1 5 8 12 15 13 17 24 23 24 25 26 28 28 29 29 29 29 30 31 31 31 31 28 20	10 3
9.05-023-05 Reverse MAC. Policy Tripleton Polic	05-10-2023 21:15 Evening NML4 SVAN 977D SN:99021 4.7	187 0 13.5 57	62 63 56 44 40	45 Se Estaded - Wind & whicle panely Wind noise dominant, water cannons audible in background	-12 -7 0 6 12 16 32 22 22 37 27 29 29 20 30 32 32 32 32 32 31 33 32 33 32 29 21	11 4
The search of the property of	05-10-2023 21:30 Evening NML4 SVAN 977D SN:99021 4.7	193 0 13.3 58	45 46 42 41 36	during lower wind periods. 5 min of heavy wind noise excluded, 38 33	4 1.5 . 1.6 . 4. 0 6 8 11 11 13 15 21 22 23 24 25 27 27 27 26 26 26 27 28 28 28 28 27 28 28 28 27	5 2
1. State of the st				2 minutes excluded for distant traffic noise. Wind noise dominant at times. Water cannons occasionally audible through dominant	est c	
0.5032320 Meg. MAL 0004970 049800. 72 0 40 0 40 0 40 0 40 0 40 0 40 0 40 0	05-10-2023 21:45 Evening NML4 SVAN 977D SN:99021 5.8	1 154 0 13.3 56	49 52 39 38 35	37 32 wind.	-14 -11 -6 -2 6 6 9 10 11 14 22 20 23 23 23 25 25 25 24 24 24 25 25 25 25 25 25 14	6 2
A 100 100 100 100 100 100 100 100 100 10	05-10-2021 22-00 Fluorino NAS 4 SUAN 0270 SN-25554	187 0 132	42 45 39 37 37	15-min periods, less wind noise (although wind noise is still there is the background). Carpon page - reference to the last	······································	
9.10-19-19-19-19-19-19-19-19-19-19-19-19-19-	73	100		As above for first 10-minutes, then wind noise increases, remaining 5-min sand dominant. 3 minutes at and earliefed than to		77
No. State Property No. State Property No. State Property No. N	05-10-2023 22:15 Night NML4 SVAN 977D SN:99021 5.4	1 188 0 13.2 54	45 46 43 39 32	37 33 Ck, 550 dBA wind noise	-14 4 4 1 8 8 13 11 12 15 23 23 24 24 25 25 25 24 24 24 29 25 26 26 26 25 25 25 25 25 25 25 25 25 25 25 25 25	7 2
6-10-20-20-20-20-20-20-20-20-20-20-20-20-20	25 10 7777 7770 Feb.			dominant wind. Water cannons can still be detected at 200 Hz in		
96-10-2023215 Regr. NA.4 (20A-9770-DASSED) 2.2 19 6 10 5 40 40 40 30 33 35 20 DASSEDAR CHARGE CONTRACTOR CHARGE CONTRACT	05-10-2023 22:45 Night NML4 SVAN 977D SN:99021 4.3	1 190 0 12.6 55	45 46 42 41 36	39 34 Ok. 550 dBA As above		5 2
6-10-20-20-20-10-10-10-10-10-10-10-10-10-10-10-10-10	05-10-2023 23:00 Night NML4 SVAN 977D SN:99021 5.4	192 0 12.3 56	45 46 45 44 39	42 36 Ck, 550 dBA As above Wind noise dominant, water cannons audible in background. 5	5 13 77 -4 0 8 61 15 10 54 18 223 24 26 27 27 28 30 30 30 31 31 31 31 32 33 32 28 27	11 3
T minds excluded WMV William concerns subtle, although wind	05-10-2023 23:15 Night NML4 SVAN 977D SN:99021 2:5	9 191 0 12 56	40 42 40 38 33	min of heavy wind noise excluded. Less wind noise than previou 35 31 Ck, 550 dBA 45 minutes	. 13 - 24 - 5 - 2 - 5 - 2 - 5 - 2 - 14 - 7 - 9 - 14 - 20 - 21 - 22 - 22 - 22 - 23 - 23 - 24 - 24 - 25 - 25 - 26 - 27 - 27 - 26 - 23 - 15	7 2
I minute excluded. Wind. Whiter cannons auditie, although wind	05-10-2023 23:30 NoN NML4 SVAN 977D SN:99021 2:3	145 0 11.5 56	45 46 43 36 32	5 minutes excluded. Wind & sircraft passbys. Cannons audible in 35 38 Ok. 550 dBA background, but wind affected		6 2
8-10-2023-20-Beigt MAX (2004) 707-2040007 3.6 1-6 0 113 5-4 40 51 72 72 72 72 72 72 72 72 72 72 72 72 72				1 minute excluded. Wind: Water cannons audible, although wind affected at times. Clearer periods of water cannons to 38 dBA	nd	17
Serio-2020-2000-(Mark (DAW 2777-200-2000-) 그로 12의 2의 2		5 142 0 11.9 54	48 52 36 33 30	32 30 Ck, 550 dBA (maximum noise level). Wind noise dominant. Water cannons audible through dominant.	-15 -12 -7 -2 -6 -2 14 -8 -7 11 19 -21 -20 18 -26 19 18 18 18 19 19 20 25 21 20 18 12 est	7 2
	06-10-2023 0:00 Night NWL4 SVAN 977D SN:99021 3.6	153 0 11.5 56	41 41 40 39 31	36 31 Öx, 550 dBA evind.] -14 -19 -7 -2 8 2 14 7 8 13 20 21 22 22 23 23 23 23 23 24 24 24 25 26 25 22 14	6 2

End Time Time Location Logger Mine Weather Data	Raw 15-minute Statistical Data Logaum LAeq15min tota	Lmax Requires Further Comments (dominantholeworthy sources).	Raw LAso	tinis 1.0 Spectrum										=
Period Wind Speed Wind Rainfall Temp Humidi (kmhr) Direction (mm) (oC) (%)	ty LAmax LAI LAIO LAGO LAGO LAGS LAG SS30 Hz (ncl +1.6 db correction)	Review	20Hz	25Hz 31.5Hz 40Hz	SOHz ESHz BOHz	100Hz	125Hz 160Hz 200Hz 250Hz	315Hz 400Hz 500H	z 630Hz 800Hz 11kHz	1.25kHz 11.6kHz	2kHz 2.5kr	iz 3.15kHz WHz SkHz 6.3kHz BiH	z 10kHz 12.5kHz	16kHz
05-10-2023 0-15 Na-by NASI 4 SUBN 927D SN-99021 5-1 174 0 11-5	1.6	Ok 550 dNA Wind noise dominant water cannons sudible in background	-13	-10 -4 -3			11 15 22 2	24 23	25 25 25	25 25 26	26	26 27 28 28 27	25 16 8	
06-10-2023 0:15 Night NML4 SVAN 977D SN-90021 6.1 174 0 11.5 06-10-2023 0:30 Night NML4 SVAN 977D SN-90021 6.5 167 0 11.1 06-10-2023 0:45 Night NML4 SVAN 977D SN-90021 4.7 155 0 10.8	50 54 57 49 40 35 38 33	Ok, 550 dBA Wind noise dominant, water cannons audible in background Check, above 50 dBA As above. Which passiby excluded (Timin), Limix - Dog Check, above 50 dBA & shows (single noise, a special possible of the passible o	-12	4 2 1	9 8 1	15	16 17 22 2 11 16 24 2	24 23 24 23 26 24	24 26 28 24 26 28	25 25 26 30 28 28 27 26 21	26	26 27 28 28 27 26 26 27 27 26 27 27 28 29 28	23 15 7	2
		Check, above 50 dBA As above (wind noise + water carenosa). LAmax - Dog As above. Vehicle pasaby excluded (Zmin). Water carenosa off at 12-59 am. Coincides with a reduction in												
05-10-2023 1:00 Night NML4 SVAN 977D SN-90021 2.2 111 0 10.4 05-10-2023 1:15 Night NML4 SVAN 977D SN-90021 1.4 134 0 10.1	61 49 50 44 38 29 36 32 63 34 35 32 29 24 27 24	Ok, 550 dSA wind noise Ok, 550 dSA	-13 -16	-6 -2 : -13 -11	10 9 1	13	14 15 21 2 3 6 7 1	24 22 16 15	22 24 24 14 16 14	24 23 24 14 14 14	24 15	23 24 25 25 24 15 16 16 16 15	21 14 6 12 7 4	2
06-10-2023 1:30 Night NML4 SVAN 977D SN-90021 1:1 120 0 9.8 06-10-2023 1:45 Night NML4 SVAN 977D SN-90021 1:4 24 0 9.3 06-10-2023 2:06 Night NML4 SVAN 977D SN-90021 1:4 24 0 9.3	64 30 34 27 26 23 25 21 67 30 34 27 26 22 24 21 67 28 30 28 25 22 24 21	Ok, SSD dBA Ok, SSD dBA	-16 -15 -16	-14 -12 -1 -14 -12 -1 -13 -12 -1	12 -1 - 7 -2 -	1 1	0 3 4 2 2 4	12 11 13 12	10 12 11 11 13 12	12 12 13 12 11 11	13 12	14 15 15 15 14 12 13 13 13 12	11 6 4 10 6 5	
6-10-2023 2:00 Night NML4 SVAN 977D SN-90021 2.2 82 0 9.3 06-10-2023 2:15 Night NML4 SVAN 977D SN-90021 2.5 107 0 9.2 06-10-2023 2:30 Night NML4 SVAN 977D SN-90021 2.5 107 0 9.2	67 28 30 26 25 22 24 21 68 52 56 26 24 21 24 20	Ok, 550 dBA Check, above 50 dBA LAmax - Insects (To 550 dBA	-16	-13 -12 -3 -14 -12 -3	5 4	1 2	-1 1 4	14 12 12 11	9 12 10	12 11 11 11 10 10	12	12 13 13 13 12 12 12 12 12 11	9 15 18	7
05.10.2023 2.45 Market NAM 4 SUBNISTED SNISSOZI 2.2 125 0 8.8	70 39 40 33 27 18 24 23	Ok. \$50 dBA	-15		7 -5 - 6 -3	3 5	2 4 4	11 10	8 11 9 15 16 15	9 9 8	7	11 11 11 10 9 6 6 6 6 6	8 5 4 7 5 4	_
06-10-2023-3:00 Night NNL4 SVAN 9770 SN-90021 2.5 254 0 7.8 06-10-2023-3:15 Night NNL4 SVAN 9770 SN-90021 3.2 215 0 7.3 06-10-2023-3:10 Night NNL4 SVAN 9770 SN-90021 1.1 75 0 7.6	77 30 32 25 20 17 19 17 79 38 41 30 19 17 19 15 77 32 34 24 20 17 19 56	Dk, sso dBA Ok, sso dBA	-15 -16	-13 -12 4 -13 -12 4 -14 -13 3	3 -7	2	4 3 3	8 9 6 7	6 9 9 4 6 5	8 7 5 6 6 5	- 6 - 11	6 7 8 8 7 9 11 8 8 8	7 5 4 7 5 4	_
	75 25 28 20 19 17 18 15	Ok, 550 dBA Ok, 550 dBA	-15	-14 -13 3	3 -6	1 3	2 3 3	3 4	2 3 4	7 6 5 4 6 5	6	6 7 8 9 7	7 5 4	_
06-10-2023 4:00 MgM NML4 SVAN 977D SN-99021 1.1 280 0 7.7 06-10-2023 4:15 MgM NML4 SVAN 977D SN-99021 1.8 276 0 7.2 06-10-2024 4:20 NmL NML4 SVAN 977D SN-99021 2.2 366 0 7.4	76 34 38 28 22 17 20 19 79 38 40 32 23 18 23 21	OK, SSO dBA OK, SSO dBA	-16 -16	-13 -10 - -13 -11 4	7 3	3	-1 1 0	11 12	13 15 15	12 10 1	8	7 7 7 8 7	7 5 4	
06-10-2023 ± 10-bight MM.4 SUAN 9770 SN-90021 2.2 505 0 7.4 06-10-2023 ± 00-bight MM.4 SUAN 9770 SN-90021 2.2 505 0 7.4 06-10-2023 ± 00-bight MM.4 SUAN 9770 SN-90021 2.2 505 0 6.9 06-10-2023 ± 10-bight MM.4 SUAN 9770 SN-90021 4.0 236 0 6.9 06-10-2023 ± 10-bight MM.4 SUAN 9770 SN-90021 4.0 125 0 6.9	81 42 45 37 31 20 27 19	Ok, 550 dBA Check, above 50 dBA I minute excluded, Bird calls, LAmax - Bird	-17	-14 -12 4 -14 -12 4 -13 -11 6	5 -2	4	0 0 0	10 12 10 11 24 27		13 9 1 19 22 21 25 29 31	13	5 / / 8 / 11 10 8 8 8	7 5 4	=
	81 66 67 58 53 32 48 26	Check, above 50 dBA LAmix - Bird	-15	-13 -12 -	9 4 1	7	8 10 10 1	14 17	17 18 21	27 34 40	34	22 15 10 10 8 43 43 32 27 22	20 12 5	_
06-10-2023 5-20 Neph MML4 SUAN 977D SN-98021 5-4 38 0 7.5 06-10-2023 5-45 Neph MML4 SUAN 977D SN-98021 3-2 32 0 7.4 06-10-2023 6-00 Neph MML4 SUAN 977D SN-98021 3-2 5 0 7.2		Check, above 50 dBA I minute excluded. Bird calls. LArex - Bird Linex - Bird	-14	-12 -10 -2	7 5	7	6 12 11 1 11 10 16 1	20 20	19 22 28 26 36 37	35 38 35 52 52 46	35	34 26 29 21 16 45 47 43 36 37	19 8 4	=
00-10-00002 6:15 Naght NAL4 SVAN 9770 SN-90021 2.5 300 0 7.6 00-10-00002 6:15 Naght NAL4 SVAN 9770 SN-90021 2.5 300 0 7.6 00-10-0000 6:30 Naght NAL4 SVAN 9770 SN-90021 0.7 300 0 8.8 00-10-0000 6:30 Naght NAL4 SVAN 9770 SN-90021 0.7 201 0 10.6	51 65 68 56 45 36 44 32 78 61 85 54 45 36 44	Check, above 50 dBA RTN, Bird calls. Mire noise audbie Check, above 50 dBA S minutes excluded - Birds and RTN	-14	-10 -6 0	9 5 1	15	17 16 15 1 14 19 11 1	20 21	23 26 31 26 29 29	34 40 31	34	26 26 26 20 16 28 33 25 21 17	10 6 4 11 7 4	二
06-10-2023 645 NgM NML4 SVAN 977D SN-98021 0.7 281 0 10.6 06-10-2023 7-50 NgM NML4 SVAN 977D SN-98021 2.9 242 0 10.9 06-10-2023 7-50 NgM NML4 SVAN 977D SN-98021 2.9 242 0 10.9	69 66 69 54 41 33 42	Check, above 50 dBA 2 minutes excluded. Bird calls and RTN. LAmax - Bird Check, above 50 dBA 2 minutes excluded. Bird calls and RTN. LAmax - Bird	-12	4 5 0	10 8	12	10 11 10 1	17 20	23 25 29	30 36 37		26 25 27 21 18 25 24 26 21 18	13 6 4	Ħ.
	71 64 67 52 40 31 40 22 65 64 65 53 41 29 41 33 60 55 55 64 64 22 37 22 65 65 65 65 55 45 31 43 33 33	Distant engine noise throughout 15-minute period	-11 -12	-3 9 1	15 16 1	19	18 21 19 1 15 14 12 1	22 24	25 23 28 21 21 23	32 36 35 26 31 21 32 36 31		25 24 26 21 18 25 21 18 18 14 29 22 18 20 16 32 33 32 27 24	9 6 4 12 7 4	2
		As above	-10 -12 -13	-4 0 t	12 15 2 6 8 1	20	20 18 17 1 10 10 10 1	20 23 16 18 25 29		32 36 31 27 34 36		32 33 32 27 24 26 25 29 22 17 23 24 25 23 19	20 14 6 14 9 5	2 2
06-10-2023 8:00 Day NR.4 SVAN 977D SN90021 3.6 272 0 14.8 06-10-2023 8:10 Day NR.4 SVAN 977D SN90021 6:1 180 0 15.3 06-10-2023 8:10 Day NR.4 SVAN 977D SN90021 6:1 100 0 16.4 06-10-2023 8:10 Day NR.4 SVAN 977D SN90021 4:0 100 0 16.4 06-10-2023 8:10 Day NR.4 SVAN 977D SN90021 4:0 100 0 16.4	52 66 69 53 38 27 40 27 47 61 64 51 49 25 38 22 45 57 60 48 38 25 36 23 44 59 61 46 33 25 36 23	2 minutes excluded. Airplane passiby.	-13 -13	4 1 3	1 5	15	19 21 25 3 4 5 5	25 29 7 12	19 19 22 24 25 24 17 15 22	25 31 21 26 31 25	23	23 24 25 23 19 22 23 21 18 18 26 26 20 17 16	14 9 5 13 9 5	2
05-10-2023 9-00 Per NAM 4 SUBN 927D SN-99021 4-7 161 0 17.9	46 62 65 52 40 24 39 20		-13 -15	4 0 4	0 3	2 2	4 5 5	7 12		23 30 25 25 35 31		26 26 20 17 16 32 28 24 21 18	14 10 5 17 13 6	3
	51 57 59 51 38 27 38 24 51 70 73 53 39 26 41 26		-13 -13	4 0 3	1 5	4	6 9 9 1 8 8 10 1	12 15 12 15		26 32 30 25 30 35 32 32 31	32 32	26 28 23 20 18 35 33 31 23 18	16 12 7 19 18 9	3
86 10-3020 9 3 D Say MALA SWAN STO SK95007 5 4 226 0 192 66 10-3020 9 45 Day MALA SWAN STO SK95007 5 4 226 0 192 66 10-3023 10:00 Day MALA SWAN STO SK95007 5 5 172 0 192 66 10-3023 10:00 Day MALA SWAN STO SK95007 4 7 91 0 20.5 66 10-3023 10:15 Day MALA SWAN STO SK95007 4 7 91 0 20.5 66 10-3023 10:15 Day MALA SWAN STO SK95007 5 0 0 0 23.3	51 70 73 53 39 26 41 25 51 61 64 52 45 28 41 32 48 73 75 64 44 27 50 25	2 minutes excluded. Helicopter passiby.	-4	11 2 1	20 19 2	19	21 19 22 2 23 28 32 3	12 15 21 21 36 41	18 21 22 22 23 29 42 43 41	32 32 31 39 37 31	31	35 33 31 23 18 31 32 28 27 27 29 25 24 24 21	26 21 14 19 14 10	7
06-10-2023 10:30 Day NML4 SVAN 977D SN:99021 6.1 96 0 21.6	46 51 51 48 49 29 37 35 45 51 54 40 37 30 34 28 44 57 50 48 35 27 35 33		0	1 0	6 9 1	1 9	17 23 19 2 9 18 13 1	23 25 16 18	26 26 26 19 19 20	25 27 25 20 22 24 19 23 23	22	22 23 23 24 24 24 23 25 24 25 24 27 25 22 21 20	25 22 17 22 18 13	10
	44 54 57 43 37 27 34 30		-14 -15	-12 -9 -5	2 3 1	11	50 18 24 1	19 20	15 16 16	19 23 25	23	24 23 21 21 20	19 21 21 21 21 15	12
06-10-3023 11-15 by MALA SWAN 9770 SN90021 47 67 0 233 06-10-3023 11-15 by MALA SWAN 9770 SN90021 47 67 0 233 06-10-3023 11-26 by MALA SWAN 9770 SN90021 7,8 100 0 23 06-10-3023 11-16 by MALA SWAN 9770 SN90021 6,5 221 0 229 06-10-3023 11-100 by MALA SWAN 9770 SN90021 5,5 221 0 224	40 64 67 50 37 27 38 24 41 61 63 54 46 31 43 34 41 59 61 46 40 29 37 31 38 51 52 44 39 27 36 26		-10	0 2	4 7 2	23	15 17 19 1 22 15 17 1	13 15 21 23 18 19		21 25 32 29 32 3- 27 29 20	32	24 29 25 25 23 31 31 32 33 33 25 26 27 27 26 25 25 26 26 25	31 27 20 25 20 14	14
06-10-2023 11-15 Day NMLA SUAN 9770 SN-99021 6.5 221 0 22.9 06-10-2023 12-00 Day NMLA SUAN 9770 SN-99021 3.6 276 0 24.3 06-10-2023 12-15 Day NMLA SUAN 9770 SN-99021 4.7 161 0 22.8	38 51 52 44 39 27 36 26 42 57 60 44 32 26 33 22		-9 -15	8 2 3	0 4	5 5	6 8 11 1	14 17	15 19 20 14 14 16	22 27 25	26 26 21	25 26 27 27 26 25 25 26 26 25 21 29 20 20 21	24 20 13	3 2
05-10-2023 12:30 Day NML4 SVAN 977D SN:99021 4.3 136 0 22:5	42 50 52 44 39 29 36 28 38 64 67 55 48 29 43 32		-12 -11	7 3 3	-1 2 2 5	5 5	21 17 10 1 12 14 16 1	15 16 21 22	17 18 19 24 25 26	27 30 32	27	24 24 25 25 24	19 15 10 23 20 14 30 25 18	10
06-10-2023 13:00 By 1981 - 1981 - 1992 87:00 18:8001 40 20 0 24:00 06-10-2023 13:00 By NML S UNIV 977D SN-90021 6.8 130 0 24:8 06-10-2023 13:15 Bay NML S UNIV 977D SN-90021 2.2 170 0 25:5 06-10-2023 13:30 Bay NML S UNIV 977D SN-90021 2.2 170 0 25:5 06-10-2023 13:30 Bay NML S UNIV 977D SN-90021 6.5 140 0 24:1	37 51 53 46 40 27 36 28 35 57 59 48 49 29 38 32 37 50 55 43 38 26 34		-13 -13	4 4 4	-1 2 -2 6 2	5 6 4 24	7 10 12 1 16 16 21 1	16 18 17 18		22 24 25 23 29 30	25	25 26 27 27 27 27 26 26 25 25 23 22 23 23 23	26 22 15 25 21 13	9 8
06-10-2023 13-30 Day NML4 SVAN 977D SN-99021 6.5 149 0 24:1 06-10-2023 13-45 Day NML4 SVAN 977D SN-99021 2.5 241 0 24:2 06-10-2023 14-00 Day NML4 SVAN 977D SN-99021 7.2 251 0 25.6	37 50 55 43 38 26 34 27 36 59 62 49 46 28 40 32		-14 -11	7 4 4	2 2	12	10 13 16 1	21 22	16 17 18 24 25 27	19 24 25 27 27 28	25	23 22 23 23 23 28 31 30 30 30	23 19 13 29 25 18	12
05-10-2023 14-15 Day NAM 4 SUBNISTED SNIGSTED 11-9 272 0 25-3	33 68 70 51 46 28 42 32 33 55 58 44 39 27 36 27		-12	4 4 3	1 2	9	11 14 16 1 7 9 11 1	21 23 . 15 17	25 26 28 19 20 20	29 32 35 21 24 26	30 24	36 31 30 30 30 26 26 26 26 26 26	28 23 16 24 18 12	
06-10-2023 34-30 Day NML4 SVAN 977D SN-90021 11.2 221 0 25.4 06-10-2023 34-45 Day NML4 SVAN 977D SN-90021 8.3 241 0 25.7 06-10-2023 15:00 Day NML4 SVAN 977D SN-90021 8.3 241 0 25.7 06-10-2023 15:00 Day NML4 SVAN 977D SN-90021 6.8 194 0 25.5	32 51 54 50 48 31 43 35 31 67 70 58 48 29 46 32 31 56 59 48 42 30 40 23	4 minutes excluded. Helicopter passibly.	-7	-1 0	4 6 8 13 1	2 33		23 25 28 28 18 19		30 31 31 34 36 36 24 26 20		25 25 36 33 31	32 25 15 26 21 13	
06-10-2023 15:15 Day NML4 SVAN 977D SN:99021 7.6 236 0 25.9	30 53 55 48 44 29 40 35		-10	4 1 1	6 7 1 7 16 1	11	25 24 21 2	22 23	24 25 26	27 27 28	27 29	29 30 31 30 30	28 21 13 27 22 15 27 22 14	10
06-10-2023 15:30 Day MML4 SVAN 977D SN-90021 7.9 155 0 25.6 06-10-2023 15:45 Day MML4 SVAN 977D SN-90021 8.3 163 0 25.4 06-10-2023 16:00 Day MML4 SVAN 977D SN-90021 8.3 226 0 25.9	29 55 57 41 37 26 33 28 29 56 58 51 42 33 40 31 29 69 61 43 39 28 36 24		-13 -9	3 4 6	3 12 1	18	18 19 15 1 11 13 15 1	13 16 21 21 13 15		18 20 20 26 27 28 21 23 28	20	22 25 25 23 23 31 31 32 31 30 28 27 30 26 26	20 16 10 27 21 13 21 16 10	- 6
06-10-2023 16:00 Day NML4 SUAN 977D SN-99021 8.3 226 0 25.9 06-10-2023 16:30 Day NML4 SUAN 977D SN-99021 8.3 207 0 25.6 06-10-2023 16:30 Day NML4 SUAN 977D SN-99021 9.0 207 0 25.6 06-10-2023 16:30 Day NML4 SUAN 977D SN-99021 9.0 207 0 25.6	29 50 51 43 39 20 36 24 30 53 56 42 37 26 33 22		-14	4 2 4	3 9	1	6 4 8	11 13	12 12 18 11 14 15 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	21 23 25 17 21 23	24	25 25 26 23 22 32 32 32 32 28 27	18 13 8	=
05-10-2023 16-45 Day NAM 4 SUBNISTED SNISSON 7.2 212 0 25.7	30 49 52 44 42 31 39 30 30 59 52 49 45 30 41 35		-14 -11	4 3 3	4 2	5 5		19 21 23 24	22 23 24 26 27 28	25 26 27	27	29 30 31 29 28 30 31 32 31	25 18 11 29 22 13	-
05-10-2023 17:15 Day NML4 SVAN 977D SN:99021 9.7 200 0 24.9	30 67 69 46 42 33 41 34 31 53 56 47 43 35 40 30		-12	4 2 4	-1 7 2	25	19 18 21 2	21 22	24 23 24	25 32 31 25 26 33	33	30 31 32 29 27 30 32 33 29 27	25 18 10 34 17 9	4
06-10-2023 17-30 Day NMLA SVAN 9770 SN-99021 9.0 193 0 24 06-10-2023 17-46 Day NMLA SVAN 9770 SN-99021 5.8 202 0 23.6 06-10-2023 19-30 Day NMLA SVAN 9770 SN-99021 5.5 100 0 22.6	32 62 63 47 41 33 40 30 34 61 62 46 41 32 20 29		-12 -14 -14	-8 -9 -4 -14 -9 -4	3 6 1	15	16 20 18 1 12 14 18 1	18 19 19 19	21 20 20	22 27 21 29 31 21	30	30 32 33 29 27 26 32 35 27 28 30 30 31 27 25	22 13 6 19 11 5	2
05-10-2023 18:15 Evening NML4 SVAN 977D SN:99021 4.7 195 0 21.9 05-10-2023 18:30 Evening NML4 SVAN 977D SN:99021 5.4 199 0 21.3	34 65 67 52 40 32 40 28 35 54 55 43 39 32 36 27		-15 -13	-14 -12 -1 -10 6 0	0 4 5 6 1	14		17 17 15 17	22 19 19 15 19 20	25 32 35 21 25 24	33	28 31 31 28 22 27 30 31 21 19	18 11 5 17 10 5	2 2
06-10-2023 18:45 Evening NML4 SVAN 977D SN:99021 5.8 208 0 20.6 06-10-2023 19:00 Evening NML4 SVAN 977D SN:99021 6.8 197 0 20.1	34 46 49 43 41 37 39 39 31 46 48 43 42 39 40 32	3 minutes excluded, Wind. Excluded - Wind & White on site.	-15 -14	4 4 4	2 6 6 4	5 5	9 13 15 1 12 15 17 1	20 21 23	23 24 24 24 25 27	25 25 26 27 27 21	25 27	32 33 32 28 27 35 32 31 29 28	24 16 7 25 17 8	2
06-10-2023 19:15 Evening NML4 SVAN 977D SN:99021 6.8 193 0 19.3 06-10-2023 19:30 Evening NML4 SVAN 977D SN:99021 7.9 151 0 18.7	31 56 59 47 42 39 41 33 32 60 63 51 41 32 39 29	5 minutes excluded, Wind. 5 minutes excluded, Wind & Helicopher passibly.	-13 -14	4 6 4	7 6 6 11 1	10		23 24 20 21 21 21	25 27 27 20 27 24	29 30 21 30 32 31	29 29	34 32 32 30 29 30 31 28 23 22	26 18 8 19 12 6	3 2
06-10-2023 20:00 Evening NML4 SVAN 977D SN:99021 10.1 81 0 19.1	37 54 58 41 37 28 35 28 54 43 44 39 35 27 32 28	2 minutes excluded. Helicopter passibly.	-15 -16	-13 -7 -3 -14 -11 -4	3 8	10	12 15 18 1 9 17 13 1	21 21 17 19	18 20 19 20 20 20	22 21 21 18 17 16	18	15 31 24 11 10 18 25 24 17 16	8 7 4 13 8 4	2
06-10-2023 20:15 Evening NML4 SVAN 977D SN-99021 9.0 77 0 19 06-10-2023 20:20 Evening NML4 SVAN 977D SN-99021 9.4 77 0 18.5 06-10-2023 20:45 Evening NML4 SVAN 977D SN-99021 9.4 77 0 18.5 06-10-2023 20:45 Evening NML4 SVAN 977D SN-99021 9.3 76 0 18.5	62 44 45 43 39 31 36 29 66 48 48 46 43 34 39 31	5 minutes excluded. Wind. 3 minutes excluded. Wind & Dog banking.	-16	-14 -10	5 10	1 6	12 12 13 1 12 13 15 1	18 20 20 22	21 23 23 24 26 27	23 23 23 27 27 27	24 25	28 28 26 26 25 31 30 30 30 29	22 15 7 27 20 10	- 4
05-10-2023 21:00 Evening NML4 SVAN 977D SN:99021 7.9 77 0 17.6	72 43 44 41 39 34 37 39 74 47 52 45 49 33 38 39	3 minutes excluded. Wind. 5 minutes excluded. Wind.	-12	-2 6 - -10 -7 -3	5 13	11	12 12 14 1	19 21 19 22	23 24 25	25 25 25 25 25 25	25	27 27 27 26 26 27 28 28 28 28 28 24 24 25 24 24	23 16 8	
06-10-2022 21:15 <u>Swring NMLA SUAN 9770 SN-90021 9.7 81 0 17.2</u> 06-10-2022 21:30 <u>Swring NMLA SUAN 9770 SN-90021 9.4 76 0 16.9</u> 06-10-2022 21:45 <u>Swring NMLA SUAN 9770 SN-90021 6.8 83 0 16.4</u>	74 47 52 45 40 33 38 39 75 41 41 30 37 31 35 28 76 40 41 36 33 27 31	J HELVES BALLOSE, VIII.	-15	-12 -10 -15 -12 -5	4 10	1 4		16 19	21 22 23	23 23 23	23	24 24 25 24 24 19 23 20 18 17	21 15 7	=
05-10-2023 22:00 Evening NML4 SVAN 977D SN:99021 5.1 85 0 15.9	77 45 47 41 31 25 30 26	2 minutes excluded. Vehicle passby. Distant machinery noise audible, probable water carnons (note	-16	-15 -13 -4	7 12	5 8	21 21 16 1	18 19	15 19 17	15 14 12	10	11 21 15 11 11	9 6 4	_ 2
06-10-2023 22:35 NgM NML4 SVAN 977D SN-90021 8.3 84 0 15.7 06-10-2023 22:30 NgM NML4 SVAN 977D SN-90021 9.0 82 0 15.5	79 38 40 33 31 26 29 27	the change in noise level at 200 Hz). Some periods of wind noise too. Water carroons audible	-16	-15 -12 -3	6 13	5 5	12 8 16 1	16 19	17 18 18	17 17 15	14	14 21 17 15 14	12 7 4	. 2
	79 42 43 36 33 26 31 29	Ok, SSD dBA Water cannons audible	-14 -11	-10 -6 -3 -13 -10 -3	7 13 8 13	5 E	12 9 16 1 13 9 17 1	17 21 18 21	20 21 20 20 21 20	19 19 17 19 18 17	17	17 20 19 18 17 17 20 19 18 17	15 9 4 15 9 4	2 2
05-10-2023 23:00 Night NML4 SVAN 977D SN-90021 8.6 78 0 15.4 06-10-2023 23:15 Night NML4 SVAN 977D SN-90021 9.7 77 0 15.4 06-10-2023 23:15 Night NML4 SVAN 977D SN-90021 9.7 77 0 15.4 06-10-2023 23:23 Night NML4 SVAN 977D SN-90021 9.0 66 0 15.4	79 40 42 38 32 26 30 27	Dk, 550 dBA Water cannons audible Dk, 550 dBA Water cannons audible	-15 -16	-14 -12 -4 -14 -13 -5	9 9 50 4	4 5 4 6	9 7 15 1 7 8 14 1	15 19 15 19	19 20 19	16 17 16 18 18 16	16	16 19 18 17 16 17 19 18 18 17	14 9 5 15 9 4	2 2
06-10-2023 23-30 Naght NML4 SVAN 9770 SN-99021 9.0 69 0 15.4 06-10-2023 23-45 Naght NML4 SVAN 9770 SN-99021 8.3 62 0 15.2 07-10-2023 0:00 Naght NML4 SVAN 9770 SN-99021 8.3 68 0 15.1	81 48 48 47 42 30 38 23	Ok, 550 dBA Water cannons audible Ok, 550 dBA 4 minutes excluded. Wind. Water cannons audible	-16 -15	-14 -11 -4 -12 -6 -3	10 5 10 4	7	7 8 15 1 9 12 15 1	17 21 19 22 19 22	23 24 25 .	20 19 18 26 26 26	18	19 20 20 20 19 27 27 28 29 28 25 26 27 27 27	17 10 5 26 18 9	3
07-10-2023 0:15 Night NML4 SVAN 977D SN:99021 10.4 73 0 15.2	82 42 42 41 37 27 33 28	Ok, 550 dBA 4 minutes excluded. Wind. Water cannons audible Ok, 550 dBA Water Cannons audible	-12 -15	-10 -8 -3 -14 -6 -4	10 3 11 4	6 7 6 6	6 9 14 1	16 19	19 20 21 :	25 25 25 21 21 21	21	22 22 23 23 23	24 17 18 20 13 6	12
07-10-2023 0:30 Night NML4 SVAN 977D SN-98021 9.7 73 0 15.1 07-10-2023 0:45 Night NML4 SVAN 977D SN-98021 10.4 77 0 15.1	82 43 43 40 37 30 34 29	Ok, 550 dBA Water Cannons audible Ok, 550 dBA Water Cannons audible	-16 -15	-12 -11 -3	11 9	7 7	8 10 17 1 8 10 17 1	19 21 18 22		23 23 23 22 22 22		24 24 25 25 25 22 22 23 24 23	22 15 13 21 14 6	- 6
07-10-2023 1:00 NgN NML4 SVAN 977D SN-99021 9:0 77 0 14:9 07-10-2023 1:05 Nght NML4 SVAN 977D SN-99021 9:0 74 0 14:7	83 50 55 41 36 28 33 28	Ok, 550 dBA Water Cannors audible Ok, 550 dBA 2 minutes excluded. Vehicle passiby.		-15 -12 -14 -11 -3	11 8	5		16 20		20 20 20 20 20 20 20 20 20 20 20 20 20 2		20 20 21 22 21 20 20 21 21 20	18 13 18	텤
07-10-2023 1:30 MgH NML4 SVAN 977D SN-90021 9.0 73 0 14.6 07-10-2023 1:45 MgH NML4 SVAN 977D SN-90021 7.9 73 0 14.5 07-10-2023 2:00 MgH NML4 SVAN 977D SN-90021 7.9 73 0 14.5		Ok, 550 dBA Water cannons audible	-16 -15	-14 -11 -1 -14 -11 -1 -12 -6 1	79 6 11 8	9	8 10 17 1 9 10 17 1	18 21 18 21	18 19 19 19 20 20 21 22 20	19 19 18 20 20 20 19 17 18	10 20	19 19 20 20 19 21 20 21 21 21 16 16 16 17 16	10 5 18 13 14	6
07-10-2023 2:00 Night NML4 SUAN 977D SN-99021 7.2 73 0 14.4 07-10-2023 2:15 Night NML4 SUAN 977D SN-99021 6.1 70 0 14.1 07-10-2023 2:30 Night NML4 SUAN 977D SN-99021 6.8 83 0 14.1	E5 40 44 34 31 25 29 29	OK, 550 dBA Water cannons auditie OK, 550 dBA Water cannons auditie OK, 550 dBA Water cannons auditie	-15	-12 -0 0 -13 -8	8 10	7 30	8 8 18 1	19 22	18 18 17 17 16 15	16 15 13 15 14 13	13	13 14 14 14 13 12 13 13 13 17	11 12 10 10 6 4	=
07-10-2023 2-45 No. No. 4 SVAN 977D SN-99021 6.1 80 0 13.7		Water cannons audible until stop at 2:37 am based on 1 minute Ok 550 dBA												Ţ,
07-10-2023 2-45 Nght NML4 SVAN 9770 SN-90021 6.1 80 0 13.7 07-10-2023 3:00 Ngh NML4 SVAN 9770 SN-90021 6.1 87 0 13.6 07-10-2023 3:15 Ngh NML4 SVAN 9770 SN-90021 5.4 95 0 13.3	53 32 33 29 27 21 24 25 50 34 35 29 27 21 24 20	Dk; 550 dBA data Dk; 550 dBA Dk; 550 dBA	-15 -17	-15 -13 -	4 4	3	-1 0 2	9 11	12 14 15 12 13 13	14 12 12 13 14 12	12	12 12 13 13 12 14 15 15 16 16	10 6 4 12 7 4	2 2
07-10-2023 3:30 Night NML4 SVAN 977D SN-99021 5.8 95 0 13.1 07-10-2023 3:45 Night NML4 SVAN 977D SN-99021 5.8 90 0 13.1	76 38 39 36 32 25 29 24 72 41 41 40 38 27 33 26	OK, 550 dBA OK, 550 dBA	-16	-13 -12 - -15 -12 -3 -14 -11 -3	6 3	3	3 5 7	13 15 15 17	16 17 17 16 19 20	17 17 18	18	18 18 19 19 19 22 22 23 23 27	16 9 4 20 12 5	1 2 2
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07-10-2023 4:30 Night NML4 SVAN 977D SN:99021 5.4 80 0 13 07-10-2023 4:45 Night NML4 SVAN 977D SN:99021 5.4 72 0 12.7	70 51 53 34 29 22 27 23	Check, above 50 dBA LArex - On alle activity Check, above 50 dBA LArex - On alle activity	-16 -17	-15 -12 -1 -16 -13 -1	5 4	4 5	2 1 4 2 2 5	11 14 12 14		17 15 13 33 35 31	13	13 13 14 14 15 14 14 14 15	14 10 6 13 9 5	2 2
07-10-2023 5:00 Nagh NML4 SVAN 977D SN-99021 40 75 0 12.5 07-10-2023 5:15 Nagh NML4 SVAN 977D SN-99021 2.5 95 0 11.9	73 65 71 60 45 29 46 26 76 67 69 53 45 32 43 27	Check, above 50 dBA LAmax - Birds Check, above 50 dBA LAmax - Birds	-16 -16	-15 -12 - -14 -12 -	6 -2 5 -2	5	3 4 4	13 16	17 22 32 19 22 25	39 42 41 33 38 31	31	35 31 25 23 20 33 33 32 29 21	17 9 5 17 10 5	2 2

End Time Location Logger Mine We Desired Ward Sta	ather Data	intal Term	Raw 15	S-minute St	atistical Data	0 1490	Logsum LAsq15min to	ta Lmax Requires Further Review	Comments (dominantholeworthy sources).	Raw LAsq timin 20Hz 25Hz	LG Spedrum	He Ison	Hr EDIN TRONG TODAY TODAY	160H+ T200	Hr 1250Hr 12	the anne some	530H+ 200H+ 34	is It mans	I Sheer Takes To Shee	- It ran-lan-	Service States States	1090+ 17 590+ 1590+
(kmhr)	Direction (m	intal Temp (r) (oC)	(%)	L-amax	Dai Dai		LAeq LAeq \$530 Hz (incl +1.5 dB correction)	r.au		234	31314 40		10 to 10 to 10 12 12 12 12 12 12 12 12 12 12 12 12 12	10014	20014	1314 4004 30014		1.23612	200 200	2 13012 4012	300 0300 000	1000 12.000 1000
07-10-2023 5:30 Night NML4 SVAN 977D SN:99021	3.6 85	0 11.5	78 60	65 68	55	43 3	42	7 Check, above 50 dBA	LAmax - Birds	-16 -1	-11	-3	6 -2 1 5 1	-1	1 6	13 18 20	20 25	32 35	39 31 3	27 27 31	26 16 12	7 4 1
07-10-2023 5:45 Night NML4 SVAN 977D SN:99021 07-10-2023 6:00 Night NML4 SVAN 977D SN:99021	3.6 82 4.7 85	0 11.8	78 72 78 61	74	53	43 3	50 44	Check, above 50 dBA Check, above 50 dBA	LAmsox - Birds	-16 -1- -15 -1	4 -11 3 -11	-5	5 -2 3 6 2 7 1 7 8 5	4	7 12	12 17 19 16 19 20	22 29 24 30	38 42 34 38	38 32 '	12 30 34	25 21 17 36 28 17	10 4 2 10 4 2
07-10-2023 6:15 Night NML4 SVAN 977D SN:99021 07-10-2023 6:30 Night NML4 SVAN 977D SN:99021 07-10-2023 6:45 Night NML4 SVAN 977D SN:99021	4.3 27	0 13.1 0 13.8 0 14.9	75 6	7 69	56	47 3 47 3	45	Check, above 50 dBA	5 minutes excluded. Vehicle passibys. LAmax - Birds 3 minutes excluded. Vehicle passibys. LAmax - Birds 4 minutes excluded. Vehicle passibys. LAmax - Birds	-15 -1 -15 -1	-8	0	8 6 22 12 13	20	18 24	20 21 22 27 27 28 17 21 23	28 31	33 40	37 35 39 35	5 33 27 51 27 28 8 24 22	27 23 20 1 23 21 17 19 17 12	9 4 2
07-10-2023 7:00 Ngh NML4 SVAN 977D SN:99021 07-10-2023 7:15 Day NML4 SVAN 977D SN:99021 07-10-2023 7:30 Day NML4 SVAN 977D SN:99021	9.7 105	0 15.7	70 60	6 70	56	45 3	44		5 minutes excluded. Wind. L4max - Birds	-11 4	- 5	-1	5 5 9 7 12	13	15 17	20 23 24	26 31	34 39	36 32 3	32 32 32	30 29 26	19 10 4
07-10-2023 7:30 Day NML4 SVAN 977D SN-9021 1	11.9 105	0 15.9	65 66	6 69	55	52 4	49		5 minutes excluded. Wind. 5 minutes excluded. Wind & Vehicle passibys.	-7 -	4 0	4	7 9 11 16 19	21	22 24	28 30 33		36 40		95 39 36 95 39 35	39 35 35 39 37 37	27 17 7 27 17 7
07-10-2023 7-35 Day MML4 SVAN 977D SN-99021 1 07-10-2023 8:00 Day MML4 SVAN 977D SN-99021 1 07-10-2023 8:15 Day MML4 SVAN 977D SN-99021 1	12.2 105	0 17.2 0 17.8 0 18	61 63 61 53	3 65	52	49 4	45 47	17	5 minutes aurhated Wind	-4 -	4 -2	2	5 8 11 14 15 7 8 11 14 17	18	19 21	25 27 25 27 29 31	32 34 31 33 33 34 33 34 34 35	34 36	37 37 34 34 36 35	57 38 37 54 36 35 56 36 37	36 35 32 37 37 35	25 16 8 25 19 11
07-10-2023 8:30 Day NML4 SVAN 977D SN-99021 1 07-10-2023 8:45 Day NML4 SVAN 977D SN-99021 1 07-10-2023 8:00 Day NML4 SVAN 977D SN-99021 1	13.3 113	0 18.4	59 50 50 50	6 61	53	50 4	47 47		5 minutes excluded. Wind & Airplane passiby. 5 minutes excluded. Wind.	-8 - -7 -	4 -1	3	6 12 14 15 18 7 10 14 21 18	21	22 23 23 24	27 29 31 28 30 32	33 34 34 35	35 37 36 36			38 37 34 37 37 34	27 17 9 27 17 9
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07-10-2023 9:15 Day NML4 SVAN 977D SN:95021 1 07-10-2023 9:30 Day NML4 SVAN 977D SN:95021 1 07-10-2023 9:45 Day NML4 SVAN 977D SN:95021 1	14.4 112 14.8 107	0 19.8	53 56	19 61 16 56	54	52 4 50 4	48	17	5 minutes excluded. Wind & Vehicle passbys. 5 minutes excluded. Wind & Airplane passby.	-4 -	2 1 4 -1	3	7 10 13 26 31 6 10 23 29 26	25	24 25 24 25	27 29 31 28 30 33 28 30 31	33 34	35 35	35 35 3	S 37 37	38 38 34 38 38 35 38 37 34	29 20 12 27 18 9
07-10-2023 10:05 Cay NML4 SVAN 977D SN:99021 1	14.0 106 13.0 111	0 20.5	51 57	5 58 7 59	51	47 3 45 3	44	15		-5 -	7 -4	1	4 6 9 14 17 5 8 10 13 15	17	19 21	24 27 25	31 32	33 34	34 33 3	33 34 33 34 36 34	35 34 31	25 16 9
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	13.3 111	0 21.1	49 71	1 74	54	50 3	47	17	3 minutes excluded. Wind.	-10 -	3 0	2	5 7 10 14 16	20	22 23	27 28 31	32 34	35 35	37 36	99 35 39 97 37 37 94 35 35	38 37 35	25 16 9 28 18 10
07-10-2023 12:15 Day NML4 SVAN 977D SN:99021 1	13.0 85	0 21.3	48 50	6 59	52	47 3	44	17 14		3 -	4 -1	1	4 7 11 17 16 1 6 9 12 12	20	20 22	25 27 25	30 31	32 32 31 31	33 32 3	23 23 34	34 33 31 33 32 30	25 17 10 24 16 9
07-10-2023 12-15 Day MML4 SVAN 977D SN-99021 1 07-10-2023 13:15 Day MML4 SVAN 977D SN-99021 1 07-10-2023 13:15 Day MML4 SVAN 977D SN-99021	10.8 93	0 20.8 0 21.3 0 21.5	51 57	7 59	50	47 3	44	n 10		-7 -	5 -2	2	5 7 11 12 14 6 13 12 16 17	18	19 21 20 21 20 22	24 27 25 25 27 25 25 27 25	30 32 30 32 31 32	23 23	33 33 3 33 34 34 3	33 34 34 33 33 34 34 34 35	25 34 31 34 34 32 35 35 35 32	25 16 9 25 17 10
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07-10-2023 15:45 Evening NML4 SVAN 977D SN:99021 1	18.4 77 15.1 75	0 17.1	70 61 71 61	70	57 52	51 4 46 3	43	и	Excluded - Wind exceedance Excluded - Wind	-6 ·	0 4 0	2	8 9 14 19 20 7 7 12 14 16	22 17	24 25 19 24	29 31 33 25 27 28	34 35 32 31	36 38 33 34	37 37 3 32 32	57 37 40 52 33 33	39 38 36 32 32 30	29 19 9 22 13 6
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07-10-2023 19:30 Evening NML4 SVAN 977D SN:99021 1 07-10-2023 19:45 Evening NML4 SVAN 977D SN:99021 1 07-10-2023 20:00 Evening NML4 SVAN 977D SN:99021 1 07-10-2023 20:01 Evening NML4 SVAN 977D SN:99021 1	11.9 80	0 15.9 0 15.6	77 49 78 50	19 50 10 50	46 48	42 3	39	11	5 minutes excluded, Wind. 4 minutes excluded, Wind.	-13 -1 -9 -1	1 -7	-3	5 2 6 6 10 6 3 7 8 11	13	15 17 16 18	21 23 25 22 24 26 26 28 30 25 27 25 26 28 30	26 27 27 28 31 33 31 32	28 28 29 28	26 26 2 26 26 2	25 31 30 29 33 30 34 35 35 33 34 34	29 29 26 30 29 27	20 12 5
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07-10-2023 20:30 Evening NML4 SVAN 977D SN:95021 1 07-10-2023 20:45 Evening NML4 SVAN 977D SN:95021 1 07-10-2023 21:00 Evening NML4 SVAN 977D SN:95021 1	12.2 80 11.2 77	0 15.4 0 15.2 0 15.1	78 55 79 55	5 55 5 58	53 52	45 3 49 4	45 46		Excluded - Wind Excluded - Wind	-10 -	5 -2 6 0	5	8 6 10 11 15 9 8 11 12 16	19 20	20 22 21 23	27 29 31	32 34	34 35	34 34 35 35 34 35	94 34 35 94 35 35 92 33 33	35 35 32 36 35 33 34 33 31	25 15 6
07-10-2022 21:30 Evening NML4 SVAN 977D SN-99021 1 07-10-2022 21:15 Evening NML4 SVAN 977D SN-99021 1 07-10-2022 21:30 Evening NML4 SVAN 977D SN-99021 1	3.0 78 4.0 78	0 15.1 0 15.1 0 14.9	79 51 78 51	1 52 17 62	50	49 3 49 3	45	1	Excluded - Wind Excluded - Wind	-10 -	3 -1	2	7 6 9 10 14 7 7 10 11 15 2 7 11 12 14	19	21 23	25 27 25 26 28 30	30 32 32 33	32 32 34 34	32 32 34 34	12 33 33 54 25 35 53 34 34	34 33 31 36 35 33 34 34 32	26 23 20
07-10-2022 27:30 Evening NML4 SVAN 977D SN-99021 1 07-10-2023 27:45 Evening NML4 SVAN 977D SN-99021 1 07-10-2023 22:00 Evening NML4 SVAN 977D SN-99021 1	4.5 50	0 14.5		4 55	52	45 3 40 1	45		Excluded - Wind	-11 4	-3	1	7 6 9 11 15	19	20 22	25 27 25 26 28 30 27 28 30			34 34 3	13 34 34 13 35 36	35 35 32 36 36 34	25 15 7
07-10-2023 22:00 EWINING NML4 SWAN 977D SN-99021 19 07-10-2023 22:55 Night NML4 SWAN 977D SN-99021 19 07-10-2023 22:30 Night NML4 SWAN 977D SN-99021 19	11.2 74	0 14.5	78 50 78 50	2 53	51	47 3	46	5 Check, above 50 dBA	Exclusio - Wind Exclusio - Wind	-10	-4	0	7 4 8 9 13 7 2 7 6 80	17	19 21	24 26 28	29 31	31 32	32 32 3	2 33 33	36 36 34 34 34 31	
	11.2 76	0 142	79 40 79 40	9 50	48	43 3	40	4 Ok, 550 dBA	Excluded - Wind 4 minutes excluded, Wind.	-13 -1 -15 -1	-7	-1	6 3 8 8 12	15	17 19	23 25 26	28 28	29 29	29 29 3	9 29 30 5 26 26	30 30 28 27 26 34	20 11 4
07-10-2023 22:00 Night NML4 SVAN 977D SN:90021 1 07-10-2023 22:05 Night NML4 SVAN 977D SN:90021 1 07-10-2023 22:05 Night NML4 SVAN 977D SN:90021 1	13.0 76	0 14.1 0 13.9 0 13.7	80 40 80 44	2 43	41	39 3 38 3	36	0 Ok, 550 dBA 0 Ok, 550 dBA 5 Ok, 550 dBA		-15 -1: -15 -1:	-9	1	5 0 6 5 7	11	12 15	19 21 22	23 24 23	25 24 24 23	24 25 2 23 24 2	5 26 26 5 25 26 N 24 25	26 25 23 25 24 22	16 8 3 15 7 2
07-10-2023 23-55 Might NML4 SVAN 977D SN:99021 08-10-2023 0:00 Might NML4 SVAN 977D SN:99021 06-10-2023 0:15 Might NML4 SVAN 977D SN:99021	9.7 82 11.2 82	0 13.5 0 13.3	81 46 82 46	15 45 15 45	45 45	41 3 39 3	37	Ok, 550 dBA O Dk, 550 dBA	4 minutes excluded. Wind & insects. 5 minutes excluded. Wind.	-15 -1; -13 -1	2 -9	1	7 0 8 5 8 7 1 8 6 8	12	13 16 13 16	19 21 22 19 21 22	22 23 24 25 25 26	26 25 25 25	26 26 3 25 25 3	24 25 25 26 27 25 26 26	28 27 24 27 26 24	17 10 3 17 9 3
05-10-2023 0:15 Night NML4 SVAN 977D SN:99021 05-10-2023 0:30 Night NML4 SVAN 977D SN:99021	9.7 79 8.6 78	0 13.2	82 45 82 35	15 45 19 39	43	35 3 34 2	35			-15 -1 -16 -1	3 -10 5 -12	-2	8 0 7 4 7 6 -3 4 1 3	10	12 14 8 10	18 20 22 14 15 17	23 24 18 18	24 23 18 18	23 23 2 19 19	14 24 25 19 20 20	25 25 22 21 20 17	15 7 2 11 5 2
06-10-2023 0:30 Night NML4 SVAN 977D SN-95021 06-10-2023 0:45 Night NML4 SVAN 977D SN-95021 06-10-2023 1:30 Night NML4 SVAN 977D SN-95021	7.2 76 7.9 80	0 12.5	83 33 83 38	13 35 16 38	30	27 2 27 2	25	54 Dk, 550 dBA 50 Dk, 550 dBA 11 Dk, 550 dBA		-17 -1: -17 -1:	-13 5 -14	0	6 4 6 0 0 6 4 5 0 -1	2	4 7 2 7	10 11 12	12 13 15 16	14 13 14 12	13 13 12 12	19 20 20 13 14 14 12 12 12	14 14 11 12 11 9	7 4 2 6 4 2
06-10-2023 1:15 Night NML4 SVAN 977D SN:95021 06-10-2023 1:30 Night NML4 SVAN 977D SN:95021 06-10-2023 1:45 Night NML4 SVAN 977D SN:95021	7.9 82 7.9 77	0 127	84 40	6 45 5 45	39	33 2 32 2	29	5 Ok, 550 dBA 5 Ok, 550 dBA		-17 -1: -16 -1-	5 -13 6 -12	1	7 -1 8 4 5	7	8 12 7 12	17 20 21 15 15 16	21 20 17 18	18 16	15 15	15 16 16 17 17 18	17 16 13 19 16 16	8 4 2 10 5 2
	7.9 80 6.5 88	0 12.5	84 37	17 38	36	32 2 25 2	23	55 Ok, 550 dBA 11 Ok, 550 dBA		-15 -1- -17 -1-	4 -12 4 -10	1	8 5 10 4 4 7 -2 9 2 -1	3	2 8	16 17 18 12 11 11	19 18 11 12	18 18 13 13	11 11 1	15 16 16 10 10 10	16 16 14 10 9 5	6 4 2
06-10-2023 2:15 Night NML4 SVAN 977D SN:99021 06-10-2023 2:30 Night NML4 SVAN 977D SN:99021 06-10-2023 2:45 Night NML4 SVAN 977D SN:99021	47 95 43 91	0 12.2 0 12.1 0 12.1	86 28 87 46	16 28 16 47	34	28 2	22 26	00 Ok, 550 dBA 13 Ok, 550 dBA 11 Ok, 550 dBA		-17 -1: -17 -1:	-12	1	6 -3 9 2 1	3	3 9	12 10 10	17 18	16 14	12 12	10 10 10 12 12 12	10 9 8 13 12 10	5 4 2 7 4 2
08-10-2023 2-95 Night NML4 SVAN 977D SN-99021 08-10-2023 3:05 Night NML4 SVAN 977D SN-99021 08-10-2023 3:15 Night NML4 SVAN 977D SN-99021 08-10-2023 3:30 Night NML4 SVAN 977D SN-99021	5.0 79	0 12.1 0 12.1	87 30 87 40	19 40	30	24 2	23	11 Ok, 550 dBA 11 Ok, 550 dBA 11 Ok, 550 dBA		-17 -10	-14	2	6 4 10 3 -1	3	2 8	12 11 10	10 10	11 13	10 10	10 10 10	10 10 8	6 4 2
08-10-2023 3:30 Night NML4 SVAN 977D SN:99021 08-10-2023 3:45 Night NML4 SVAN 977D SN:99071	7.2 77 6.1 81		56 44 56 A	4 45	36	25 2 32 2	25	S Ok. SSD dBA		-17 -1 -16 -1	4 -12	3	9 -2 13 4 0	6	4 12 8 15	16 19 17	12 12 18 10	12 11 17 14	9 9	8 8 8	8 8 7	6 4 2
06-10-2023 3-45 Night NML4 SVAN 977D SN:99021 06-10-2023 4:00 Night NML4 SVAN 977D SN:99021 06-10-2023 4:15 Night NML4 SVAN 977D SN:99021	6.1 82 6.1 77	0 123 0 122 0 122	86 33 86 36	13 35 16 38	23	21 1	20 20 22	9 Ok, 550 dBA 9 Ok, 550 dBA 10 Ok, 550 dBA		-17 -1 -16 -1	-15	-3	6 6 9 1 4	1 0	0 7	10 9 S	7 8 12 13	8 8	6 7 9 8	7 8 8	8 8 7 9 8 7	5 4 1
06-10-2023-4:30 Night NML4 SVAN 977D SN-95021 06-10-2023-4:45 Night NML4 SVAN 977D SN-95021 06-10-2023-5:00 Night NML4 SVAN 977D SN-95021	5.5 73	0 12.1	87 30 87 54	19 42 14 55	30 49	25 2 40 2	23	C) Cik, S50 dBA C Check, above 50 dBA	LAmax - Birds	-17 -1	-14 -14	-2 0	6 -5 6 1 0 7 -4 6 0 -1	-1	3 6	10 11 12 10 12 12	13 14 18 25 17 29	12 11 32 33	11 10	10 11 10	10 10 8 12 11 9	6 4 1 6 4 1
06-10-2023 5:00 Night NML4 SVAN 977D SN:90021 06-10-2023 5:15 Night NML4 SVAN 977D SN:90021 06-10-2023 5:30 Night NML4 SVAN 977D SN:90021	6.1 78 4.7 82	0 11.9 0 11.7 0 11.7	87 71 88 61	73	59 57	47 2 50 3	46 46	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	LAmax - Birds LAmax - Birds	-16 -1 -16 -1 -17 -1		-1	7 4 5 0 -2 5 4 5 0 0	2	4 5 3 8	8 8 S	17 29 18 23	36 39 28 34	44 32 3 40 34 3	14 12 12 13 32 28 15 39 39 13 39 45	27 22 19 37 29 26 41 32 31	
06-10-2023 5:45 Night NML4 SVAN 977D SN:99021	5.4 85 5.8 76	0 11.7	89 74 89 61	77 70	57 57	50 3 45 3	49	7 Check, above 50 dBA	LAmax - Birds	-16 -1- -17 -1:	-11	-2	7 -3 5 1 4 6 -2 6 3 5	4	5 9	11 14 16 13 17 19	20 29 22 29	23 38	39 31 2	35 32 37	31 26 24	13 5 2
08-10-2023 6:00 Neght NML4 SVAN 977D SN:99021 08-10-2023 6:15 Neght NML4 SVAN 977D SN:99021 08-10-2023 6:30 Neght NML4 SVAN 977D SN:99021	40 99 32 110	0 12.1	87 60 87 61	7 69	54	43 3	42 43	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	LAmax - Birds 3 minutes excluded, Wind & Helicopter passby, LAmax - Birds 2 minutes excluded, Wind, LAmax - Wind	-16 -1 -15 -1	-10 -5	-1	8 0 8 6 6 7 9 19 16 16	16	8 12 18 23	16 18 20 21 23 22	24 30 25 31	34 37 34 40	35 30 3	5 23 27 5 24 26	24 21 17 22 21 18	10 5 2 11 5 2
	9.4 79	0 13.1 0 14.1	82 60 77 63	o 69	53	45 3	43			-15 -1 -6 -	3 -2	-1	6 4 9 10 11	14	1a 15 15 18	19 21 22 21 23 25	25 28 27 30	33 38		50 29 28 50 30 30	25 27 24 31 30 25	17 8 3 20 12 5
06-10-2023 7:00 NoRM NML4 SVAN 977D SN-99021 06-10-2023 7:15 Day NML4 SVAN 977D SN-99021 06-10-2023 7:30 Day NML4 SVAN 977D SN-99021 106-10-2023 7:30 Day NML4 SVAN 977D SN-99021	12 96	0 15.4 0 15.8	74 63 71 55 69 63	2 65 5 57	54 53	50 3 49 3 50 4	46 45 47	S S S S S S S S S S S S S S S S S S S	6 minutes excluded. Excluded - wind 6 minutes excluded. Wind. 3 minutes excluded. Wind.	4 4	0	2	7 7 10 12 16 6 7 9 11 14 6 7 11 12 16	20 18 19	21 23 20 22 21 23	27 28 30 25 27 25 26 28 30	32 33 31 32 32 33	33 34 36 38	37 36 34 34 37 37	5 35 36 33 34 34 5 35 36	37 36 34 35 34 32 36 35 33	25 16 8 25 15 7 26 16 8
08-10-2023 7-45 Day NML4 SVAN 977D SN-99071 1 08-10-2023 8:00 Day NML4 SVAN 977D SN-99071	12.2 84	0 15.4	66 51 64 61	7 60	52	49 4 50 4	46 47	7	3 minutes excluded, Wind. 3 minutes excluded, Wind. 5 minutes excluded, Wind.	- 6 -	1 1	2	6 8 11 13 16 7 8 10 13 48	19	21 23 24	27 29 31 27 29 31	32 34 33 34	35 35 35 36			36 35 33 36 36 33 37 37 35	25 17 9 28 19 10
08-10-2023 7:45 Day NML4 SVAN 977D SN:99021 108-10-2023 8:00 Day NML4 SVAN 977D SN:99021 108-10-2023 8:15 Day NML4 SVAN 977D SN:99021 108-10-2023 8:30 Day NML4 SVAN 977D SN:99021 108-10-2023 8:30 Day NML4 SVAN 977D SN:99021 1	15.1 83 13.3 85	0 16.4 0 17 0 17.2 0 17.2	61 51 60 51	7 59 7 60	53	49 3 49 4	45 46	17	5 minutes excluded. Wind.	-9 -	-3	1	5 6 9 10 14 5 7 9 11 15	18		25 27 25 26 28 30	31 32 32 33	33 34 35 36	34 34 36 35	5 35 35 8 36 37 8 35 35 4 35 35	35 34 32	25 16 7 26 17 9
06-10-2023 8-85 Day NML4 SVAN 977D SN-99021 1 06-10-2023 9-00 Day NML4 SVAN 977D SN-99021 1 06-10-2023 9-15 Day NML4 SVAN 977D SN-99021 1	11.2 82 12.6 103	0 18.4 0 18.5 0 18.9	58 65 56 58	5 68 8 61	54	49 4 50 3	9 46 9 46	7	2 minutes excluded. Wind.	-7 -6	-2 3 0	3	5 7 10 11 14 5 8 10 12 16 7 9 11 12 16	19 20	20 21 21 22	25 27 25 26 28 30 27 29 31	31 33 32 34 32 34	34 35 35 36	35 34 3	55 35 35 55 36 35	37 36 32 36 36 33 39 38 35	25 17 9 26 17 9 28 19 11
08-10-2023 9:15 Day NML4 SVAN 977D SN:99021 1 08-10-2023 9:30 Day NML4 SVAN 977D SN:99021 1 08-10-2023 9:45 Day NML4 SVAN 977D SN:99021 1	13.7 95 15.5 99		54 60 54 50	6 50	55 53	51 4 50 4	47 47	4	4 minutes excluded. Wind. 5 minutes excluded. Wind. 3 minutes excluded. Wind.	-2	1 1	4	7 9 11 12 16 6 9 10 12 16	20 19	22 23 22 23	27 29 31 26 28 31	32 34 32 34			57 38 38 86 37 37 96 37 37		
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08-10-2023 10:15 Day NML4 SVAN 977D SN:99021 1 08-10-2023 10:30 Day NML4 SVAN 977D SN:99021 1 08-10-2023 10:45 Day NML4 SVAN 977D SN:99021 1 08-10-2023 11:00 Day NML4 SVAN 977D SN:99021 1	12.2 105	0 20.7	49 63 47 51	55 6 61	54	49 4	45		1 minute excluded, Wind. 5 minutes excluded, Wind.	-3		4	9 8 10 12 15 6 11 11 15 16	21	22 23 22 23	25 27 25 26 28 30	31 33 32 33	34 35	36 35 3	SE 35 37	37 36 34	25 19 12
05-10-2022 11:10 Day NML4 SVAN 977D SN:99021 1	0.1 84 12.2 80 9.4 87	0 21.5 0 21.4 0 21.8	44 50 44 60	6 58 0 63	50 50	45 3 45 3	43 5 42 43	0	2 minutes excluded. Helicopter.	-7 -	1 1	-2	2 6 12 17 27 1 5 8 15 18 4 10 18 12 11	27 15	25 28 17 20 16 16	26 28 28 21 23 25 21 23 25	29 30 27 28 27 28	29 30	31 31 31 29 31 31	12 33 33 12 34 32 14 34 33	34 33 30	22 15 8 23 15 9 34 17 10
06-10-2023 11:15 Day NML4 SVAN 977D SN:99021 06-10-2023 11:30 Day NML4 SVAN 977D SN:99021 06-10-2023 11:30 Day NML4 SVAN 977D SN:99021	9.4 96 10.1 67	0 22.2	40 57 41 57	7 60	50	46 3 47 3	43	0		-10 -	4	3	2 4 9 10 12 2 5 8 9 12	15	17 19 17 16	21 23 25 22 24 25 21 23 25	27 29 27 28	30 30	30 30 32 32	M 34 33	34 33 30 35 33 30 34 33 30	23 15 8 24 16 10
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End Time Time Location Logger	Mine Weather Data Raw 15-minute	Statistical Data Logsum LAsq15min to	ts Lmax Requires Further Comments (dominantholeworthy sources).	Raw LAsq tSmin 1	1.0 Spedrum						
Period	Wind Speed Wind Rainfall Temp Humidity LAmax LAlma (km/hr) Direction (mm) (oC) (%)	x LA1 LA10 LA90 LAsq Lasq \$530 Hz (incl +1.6 dB	Limax Requires Further Comments (dominantholeworthy sources). Review	20Hz 25Hz	31.5Hz 40Hz	50Hz 63Hz 80Hz 100Hz 125	Hz 160Hz 200Hz 250Hz	315Hz 400Hz 500Hz	630Hz 800Hz 1kHz 1.25kHz 1.5kP	z 2kHz 2.5kHz 3.1	SkHz WHz SkHz 6.3kHz 88Hz 10kHz 12.5kHz 16kHz
	10.8 82 0 21.8 40 58	consction)	ē								
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08-10-2023 12-30 Day NML4 SVAN 977D SN-99021 08-10-2023 12-45 Day NML4 SVAN 977D SN-99021 08-10-2023 13:00 Day NML4 SVAN 977D SN-99021	13.0 129 0 22.1 37 51 10.8 101 0 21.9 38 56 11.9 104 0 22.8 36 57	55 46 45 31 41 50 46 42 32 39		-13 -1 -11 -4	7 5 3	9 3 7 8	11 14 17 18 11 16 15 17	18 21 23 21 23 25 20 23 24	24 25 26 28 27 29 29 30 26 27 28 30	28 28 27 31 30 29 31 29 28	27 28 28 27 25 20 12 6 30 30 31 30 28 21 13 7 28 28 28 28 26 20 12 6
06-10-2023 13:15 Day NML4 SVAN 977D SN:99021 06-10-2023 13:30 Day NML4 SVAN 977D SN:99021 06-10-2023 13:45 Day NML4 SVAN 977D SN:99021	11.9 115 0 22.2 38 56 1 9.7 113 0 23 35 55	58 49 46 30 41 57 49 45 30 41	2	-5 -4 -7 -5	4 -2 0 5 4 -1	2 4 7 9 1 3 6 7	11 13 16 17 10 13 16 17	20 22 24 21 23 25	26 27 28 30 26 28 28 31	30 30 30 31 31 30	30 31 31 31 30 25 18 12
	12.6 110 0 22.4 36 53 10.8 10.8 10.9 0 22.6 36 58 10.9 0 22.9 34 62	57 49 45 35 42 62 49 44 33 41	3	-10 -4 -6 -5	8 5 2 5 3 1	2 6 13 16 3 6 16 11	13 22 21 25 11 17 16 15	24 25 27 21 23 25 29 28 29 29	27 28 28 30	31 31 30 32 31 30 34 33 32	30 30 30 30 28 22 14 8 31 31 32 31 29 22 14 8 30 30 30 30 30 28 22 15 9 33 33 33 33 32 29 23 14 8
06-10-2023 14:15 Day NML4 SVAN 977D SN:99021 06-10-2023 14:30 Day NML4 SVAN 977D SN:99021 06-10-2023 14:45 Day NML4 SVAN 977D SN:99021	9.0 103 0 22.9 34 62 1 11.2 92 0 22.8 35 55 1 11.5 87 0 23.4 33 55	63 53 47 36 44 55 46 44 33 40	5 1 minute excluded. Helicopter.	9 4	5 -1 0 6 -4 -2	3 17 19 18 2 9 21 24		29 25 29 24 24 25 24 26 25			33 33 33 32 29 29 14 8 29 29 29 29 27 22 14 9 33 34 34 34 31 29 16 10
08-10-2023 15:00 Day NMLA SVAN 977D SN-90021 08-10-2023 15:15 Day NMLA SVAN 977D SN-90021 08-10-2023 15:15 Day NMLA SVAN 977D SN-90021	9.4 123 0 23.4 32 55 :	57 47 42 31 38 67 52 48 31 44	5	-10 -4	8 -7 -4 6 -3 0	0 2 5 6	11 11 13 15 13 16 18 20	18 21 23 24 25 26	24 26 27 29 29 31 32 33	29 27	27 28 28 27 25 19 12 7 35 35 34 33 31 24 16 9
08-10-2023 15:30 Day NML4 SVAN 977D SN-99021 08-10-2023 15:45 Day NML4 SVAN 977D SN-99021	9.0 97 0 22.6 34 56 9.7 95 0 22.1 35 75	58 48 45 34 41 79 58 50 31 47	3 minutes excluded. Wind & Bird calls.	-9 -7 -7 -4	7 -5 -2 4 -1 2	1 3 5 7 5 10 10 11	10 13 16 17 15 18 21 22	20 23 25 25 27 29	31 33 34 36	31 30 30 35 36 35	32 32 32 31 28 22 14 8 36 41 38 35 34 26 17 10
08-10-2023 15:45 Day NML4 SUAN 977D SN-90021 08-10-2023 16:00 Day NML4 SUAN 977D SN-90021 08-10-2023 16:15 Day NML4 SUAN 977D SN-90021 08-10-2023 16:15 Day NML4 SUAN 977D SN-90021	6.5 90 0 22.5 35 63 13.3 77 0 22.3 36 57	58 50 46 35 43 51 52 48 37 44	6	-9 -7 -7 -5	7 4 -1	2 5 6 8 14 21 11 14	12 15 17 18 12 15 17 18	22 24 25 21 24 25	30 30 31 32 32 32 33 35	32 31 31 37 34 31	32 33 33 33 29 27 14 7 32 33 33 32 36 24 16 9 33 34 33 32 30 27 15 6
08-10-2023 16:30 Day NML4 SVAN 977D SN:99021 08-10-2023 16:45 Day NML4 SVAN 977D SN:99021 08-10-2023 17:00 Day NML4 SVAN 977D SN:99021	10.1 69 0 22 37 58 1 8.6 62 0 21.5 38 55 1 9.0 71 0 21 40 60	58 52 47 37 44		-5 -3	6 0 7 3 -1 2	6 12 11 10 17 21 23 25	12 15 17 19 13 17 19 21	22 25 27 24 27 29		33 32 33 33 33	34 34 34 34 31 25 16 9
05-10-2023 17:15 Day NML4 SVAN 977D SN:99021 08-10-2023 17:30 Day NML4 SVAN 977D SN:99021	9.0 71 0 21 40 60 14.4 52 0 20.2 47 60 14.8 46 0 19.5 51 59	52 54 52 44 49	D Excluded - Wind	-2 1	1 3 7	9 11 13 14	22 23 26 26 16 21 24 25 17 21 23 25	29 31 33 28 31 33	35 36 37 38 34 36 37 37 35 36 37 39	37 37 38 38 38 37	39 39 40 40 38 31 22 14 38 39 40 39 37 30 21 12 38 39 39 39 37 30 21 12
08-10-2023 17:45 Day NML4 SVAN 977D SN:99021 08-10-2023 18:00 Day NML4 SVAN 977D SN:99021	14.8 66 0 17.8 61 58		Eschaled - Wind 7 3 minutes exchaled, Wind	0 2 -7 -4	2 4 5	9 14 13 17 5 7 9 12		26 28 30			40 40 40 40 37 31 21 13 35 36 36 35 33 26 16 8
08-10-2023 18:15 Evening NML4 SVAN 977D SN:99021 08-10-2023 18:30 Evening NML4 SVAN 977D SN:99021	14.4 73 0 17.1 65 56 :	74 55 51 43 48 55 55 53 49 40 46	Exchaled - Wind Exchaled - Wind	4 4	1 3 5	7 9 12 13 6 7 9 12	17 21 23 24 15 19 21 23	28 30 32 26 28 30	33 35 36 38 32 33 34 34	90 37 37 34 34 35	38 38 39 38 38 29 19 10 35 36 36 36 34 27 18 9
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08-10-2023 19:45 Evening NML4 SVAN 977D SN-99021 08-10-2023 20:00 Evening NML4 SVAN 977D SN-99021 08-10-2023 20:15 Evening NML4 SVAN 977D SN-99021	12.6 69 0 15 76 54 11.9 68 0 14.7 78 53	55 52 47 36 43 54 51 46 37 43	Excluded - Wind Excluded - Wind	-5 -3 -6 -5	3 -1 1	6 6 8 9 5 5 7 9	13 17 19 21 13 17 19 20	24 26 28 24 26 28	30 31 31 32 30 31 31 31	12 32 32 12 32 32	33 33 34 33 31 24 15 7 32 33 33 33 33 31 24 14 7
08-10-2023 20:30 Evening NML4 SVAN 977D SN:99021		55 49 44 34 40 46 45 42 32 38 45 41 37 29 34	4 Eschaded - Wind D Eschaded - Wind	-9 -1 -11 -4	7 -4 0 9 -5 -2	5 5 8 9 3 3 7 7	11 15 17 15 11 13 14 16	22 24 25 20 22 24	25 26 26 26	29 29 29 26 26 27	30 30 31 30 28 21 12 5 28 28 29 28 26 19 11 5 25 24 24 23 21 14 7 2
08-10-2023 21:00 Evening NML4 SVAN 977D SN:99021 08-10-2023 21:15 Evening NML4 SVAN 977D SN:99021		45 41 37 29 34 46 44 41 32 37	27 29 3 minutes excluded, Wind.	-14 -12 -14 -11	2 -9 -5	2 -1 3 3 4 2 5 5	5 8 10 12 8 11 14 16	16 18 20 19 21 23	21 22 22 22 25 25 26 26	22 22 22 26 26 26	27 27 27 27 24 17 8 3
06-10-2023 21:30 Svering NML4 SVAN 977D SN:99021 06-10-2023 21:45 Svering NML4 SVAN 977D SN:99021 06-10-2023 22:00 Svering NML4 SVAN 977D SN:99021	9.0 58 0 13.9 81 46 · · · · · · · · · · · · · · · · · ·	47 45 42 34 39 56 47 44 36 41	5 minutes excluded, Wind. Excluded, Wind. Excluded, Wind.	-11 -4 -11 -4	9 -0 -1	5 2 5 6 4 4 6 8	9 13 15 17 11 15 17 15	20 23 24 23 27 27	26 27 27 27 28 29 30 30	27 27 28 90 30 30	28 29 29 27 20 11 5 30 31 31 31 29 21 18 12 33 34 34 34 32 24 15 7
08-10-2023-22:50 Neght NNL4 SVAN 977D SN:99021 08-10-2023-22:15 Neght NNL4 SVAN 977D SN:99021 08-10-2023-22:30 Neght NNL4 SVAN 977D SN:99021	12.2 64 0 14 61 53 13.7 67 0 14 61 47 14.0 66 0 13.9 61 49	54 52 47 39 44 48 46 43 37 41 50 48 44 37 41		-8 -4	6 4 0 7 5 0	6 4 8 8 6 3 6 8	12 15 17 15 12 16 17 15	23 25 27	26 29 29 29 28 29 29 29	29 29 29 30 30 30	30 30 31 30 28 21 12 5 30 31 32 31 29 22 13 5
08-10-2023 22:45 Night NML4 SVAN 977D SN:99021 08-10-2023 23:00 Night NML4 SVAN 977D SN:99021	11.5 64 0 13.8 81 46 -	46 45 42 35 39 50 49 42 29 38	2 Dk, 550 dBA Exchaded - Wind 10 Dk, 550 dBA Uhitart machinery noise audible, still wind noise however	-12 -1 -12 -10	9 -6 -2	4 2 5 6 4 3 10 6	9 13 15 16	21 23 25 20 23 24	25 27 28 28	26 26 26 26 26 27	29 29 30 30 27 20 11 4 27 28 29 28 26 19 10 4
08-10-2023 23:15 Nght NML4 SVAN 977D SN:99021 08-10-2023 23:30 Nght NML4 SVAN 977D SN:99021	7.6 66 0 13.4 84 45 1 10.4 68 0 13.5 84 53	45 44 38 29 35 53 50 44 32 40	S Dk, 550 dBA Check, above 50 dBA S minutes excluded. Wind. LAmax - Wind	-15 -13 -11 -3	3 9 5 8 6 2	2 1 4 4 4 2 5 6	7 10 12 15 10 15 16 18	18 20 22 21 23 25	23 23 23 23 27 28 28 29	23 23 23	24 25 25 25 22 15 7 2 29 30 31 31 28 21 11 4
08-10-2023 23-45 NgN NML4 SVAN 977D SN:99021 09-10-2023 0:00 NgN NML4 SVAN 977D SN:99021	9.7 68 0 13.4 83 48 1 11.2 72 0 13.5 83 41	53 43 39 29 35 42 40 38 28 34	29 Ok, 550 dBA 81 Ok, 550 dBA	-14 -15 -15 -13	2 -9 -5 3 -10 -6	4 -1 4 3 4 -2 2 2	6 10 12 14 5 9 11 13	18 20 21 17 19 20	23 24 24 24 22 22 22 23	24 24 24 23 23 23	25 25 26 25 23 19 16 4 24 24 25 24 22 15 7 2
09-10-2023 0:15 Night NML4 SVAN 977D SN:99021 09-10-2023 0:30 Night NML4 SVAN 977D SN:99021	9.7 69 0 13.3 84 38 9.4 74 0 13.1 84 32	38 36 33 25 30 33 29 27 22 25	S Dis, SSD dBA 1 Dis, SSD dBA 22 Dis, SSD dBA	-16 -14 -17 -15	4 -12 -5 5 -13 -7	6 -3 4 0 7 -4 4 -2	2 6 8 10 -1 2 3 6	13 16 17 9 12 13	18 19 19 19 13 13 13 14	13 13 13	20 20 20 20 17 10 5 2 14 14 14 13 11 7 4 2
00-10-2023 0-0 NgH NMLA SUNN 9770 38199021 00-10-2023 1-0 NgH NMLA SUNN 9770 38199021 00-10-2023 1-0 NgH NMLA SUNN 9770 3819021 00-10-2023 1-0 NgH NMLA SUNN 9770 38190021 00-10-2023 1-20 NgH NMLA SUNN 9770 38190021	5.1 64 0 128 85 40 - 5.8 60 0 128 86 41	42 37 33 27 31 43 39 37 29 33	IS DIL SSD dBA 77 DIL SSD dBA	-16 -14 -15 -13	4 -11 -5 3 -9 -3	5 2 2 1	3 7 8 10 5 9 11 12	14 16 18 16 18 20	20 21 19 19 21 21 22 22	19 19 19 22 22 22	19 20 20 20 17 11 5 2 23 24 24 23 21 14 6 2
09-10-2023 1:30 Night NML4 SVAN 977D SN:99021 09-10-2023 1:45 Night NML4 SVAN 977D SN:99021 09-10-2023 2:00 Night NML4 SVAN 977D SN:99021	5.8 62 0 12.5 85 41 · 7.2 71 0 12.7 85 40 ·	42 40 34 25 31 41 37 34 27 32	5 Dix, 550 dBA 6 Dix, 550 dBA 10 Dix 550 dBA	-16 -13 -13 -4	3 -8 -3 8 -3 3	6 0 2 3 8 7 9 4	4 7 9 10 4 7 9 11	14 16 15 14 17 18	18 19 19 20 19 20 20 20	20 20 20 20 20 20 17 17 17	20 21 22 21 19 11 5 2 21 22 22 21 19 12 5 2 17 18 18 18 18 15 9 4 2
09-10-2023 2:00 Night NML4 SVAN 977D SN:99021	7.9 74 0 12.7 85 37	38 35 32 23 28	Distant mechinery noise audible, oscilating sound similar to ameli	-12 -4	6 -1 1	5 -1 2 0	1 4 6 8	12 14 16	96 17 17 17	17 17 17	17 18 18 18 15 9 4 2
			pump. Evapouration cannons detected at NML1 during this time, however this machinery source sounds different to the cannons.								
09-10-2023 2:15 Night NML4 SVAN 977D SN:99021 09-10-2023 2:30 Night NML4 SVAN 977D SN:99021 09-10-2023 3:45 Night NML4 SVAN 977D SN:99021 09-10-2023 3:00 Night NML4 SVAN 977D SN:99021	7.9 73 0 12.5 85 35 6.8 78 0 12.5 84 36 5 35 5 75 0 12.4 85 36	35 33 31 23 27 37 34 29 23 27 38 30 27 22 25	2 Dk, 550 dBA Wind noise masking mechanical noise at times 2 Dk, 550 dBA II Dk, 550 dBA	-16 -14 -13 -15 -16 -13	4 6 4	4 3 1 2 5 0 3 0	0 3 5 7	11 13 15 11 13 14	15 15 16 16 15 15 15 15	15 16 16 15 15 15	95 17 17 17 14 9 4 2 95 16 17 17 16 14 8 4 2
09-10-2023 3:00 Naght NML4 SVAN 977D SN-99021 09-10-2023 3:15 Naght NML4 SVAN 977D SN-99021	4.7 78 0 12.2 85 33 3.7 97 0 11.5 88 39	36 29 26 22 24 40 34 28 22 26	4 Ox, 550 dBA 5 Ox, 550 dBA	-15 -10 -15 -13	0 4 2	8 5 14 12 7 3 8 4	10 5 4 7 4 4 5 5	11 14 14 15 17 17	13 13 13 13 17 17 16 15	9 9 9	10 10 10 10 8 6 4 2 10 10 10 10 8 6 4 1
09-10-2023 3:15 Night NML4 SVAN 977D SN:99021 09-10-2023 3:30 Night NML4 SVAN 977D SN:99021 09-10-2023 3:45 Night NML4 SVAN 977D SN:99021	3.2 103 0 11.1 90 42 - 4.0 95 0 11.1 91 43	43 37 29 21 27 44 34 29 22 26	5 Ok, 550 dBA 4 Ok, 550 dBA	-12 -4 -13 -7	9 -3 3 7 -3 1	9 6 8 6 12 6 7 4	6 4 6 S 2 2 2 6	14 16 19 11 15 16	20 17 16 14 17 18 18 17	10 9 9 17 13 8	9 10 10 9 8 6 4 1 8 9 9 8 7 5 4 1
09-10-2023 4:00 Night NML4 SVAN 977D SN:99021 09-10-2023 4:15 Night NML4 SVAN 977D SN:99021	5.1 81 0 11.7 88 38 3 5.0 84 0 11.7 88 39	39 31 27 20 24 41 31 27 21 24	11 Dk, 550 dBA 22 Dk, 550 dBA	-14 -12 -12 -10	3 6 5	7 -1 3 3 6 -1 6 3	1 1 1 5	10 13 14 10 14 15	14 15 17 15 15 16 15 14	11 9 8 10 8 8	8 9 9 8 7 5 4 1 9 9 9 9 7 5 4 1
99-10-2023 4-30 Nobi NML4 SUAN 977D SN-99021 99-10-2023 4-45 Nobi NML4 SUAN 977D SN-99021 99-10-2023 5-15 Nobi NML4 SUAN 977D SN-99021 99-10-2023 5-15 Nobi NML4 SUAN 977D SN-99021	22 87 0 109 91 41 25 90 0 10.1 94 53	43 36 31 23 28 55 45 35 21 33	27 Ok. 550 dBA RTK/dstant engine noise auditie. LAmas - Birds	-15 -13 -15 -13	3 4 3	7 2 3 3 6 1 3 3	7 4 7 10 5 2 4 8	15 19 20 11 15 17		11 9 8 25 14 11	5 9 9 8 7 5 4 1 11 10 10 9 7 5 4 1
	2.2 254 0 2.7 25 67	77 59 48 29 47 70 57 50 32 46 76 57 49 31 45	77 Check, above 50 dBA ETM/datant engine nobe audibis. LAmas - Birch 77 Check, above 50 dBA ETM/datant engine nobe audibis. LAmas - Birch 80 Check, above 50 dBA I minute excluded. Helicopier, LAmas - Einde	-14 -11 -14 -11	4 0 2 1 4 1	10 1 7 6 10 7 8 5	5 8 8 12 11 11 19 21	15 18 20 16 19 19 19 20 21	21 25 29 33 20 24 29 36 22 27 31 38	60 36 34 90 36 37	42 26 26 22 22 13 6 2 37 38 34 28 24 16 8 2 36 38 31 33 26 36 13 4 1
09-10-2023 5-45 Night NML4 SVAN 977D SN:99021 09-10-2023 6:00 Night NML4 SVAN 977D SN:99021	2.2 303 0 10 97 73 2.5 328 0 10.1 96 65	77 56 45 32 45 66 53 45 35 44	Check, above 50 d5A RTN/dstant engine noise audible. LAmax - Eirch Check, above 50 d5A RTN/dstant engine noise audible. LAmax - Eirch	-5 -6 -11 -6	6 -2 0	9 9 11 11 8 7 10 11	15 14 15 15 10 12 13 17	22 25 25 22 28 28	27 31 34 37 27 30 35 39	36 32 31 38 33 26	31 49 33 24 27 12 5 2 24 28 22 16 11 6 4 1
	1.8 272 0 10.7 93 69 2.9 161 0 12.1 87 63 5.8 86 0 142 79 66	71 58 44 32 45 66 54 43 33 42	Check, above 50 dBA RTN/dytent engine noise auditie. LAmas - Birds Check, above 50 dBA RTN/dytent engine noise auditie. LAmas - Birds	-13 -10 -5 -1	0 -3 -1 4 0 5	7 6 19 24 12 10 17 20	28 18 14 17 25 20 20 19	20 29 25 22 27 28	30 31 31 35	38 29 24	34 26 23 24 14 7 5 2 19 19 20 18 11 6 4 1
09-10-2023 6-30 Night NMLA SVAN 977D SN-99021 09-10-2023 6-45 Night NMLA SVAN 977D SN-99021 09-10-2023 7-30 Night NMLA SVAN 977D SN-99021	5.8 85 0 14.2 79 65 8.5 87 0 14.9 75 69 9.4 78 0 15.7 71 65	55 55 43 34 43 73 55 45 32 43	Check, above 50 dBA 5 minutes excluded. TN, Airplane passiby. LAmax - Birds 0 Check, above 50 dBA 3 minutes excluded. Helicopter. LAmax -Birds	-9 -4 -11 -4	6 0 3 8 -3 -1	8 8 9 9 2 7 10 15	13 13 11 16 19 17 26 28	18 23 24 24 26 25	27 31 33 38 28 28 29 35	37 32 30 34 34 31	30 25 23 21 16 10 4 2 34 35 31 26 24 13 6 2
09-10-2023 7:15 Day NML4 SVAN 977D SN:99021 09-10-2023 7:30 Day NML4 SVAN 977D SN:99021 09-10-2023 7:45 Day NML4 SVAN 977D SN:99021	9.4 78 0 15.7 71 66 7.9 7.9 68 0 16.7 66 65 11.2 70 0 17.1 62 65	69 49 42 33 40 66 53 46 35 44 67 55 47 38 45	2 minutes excluded. Airplane passby.	-11 -1 -7 -4	7 4 -1 4 0 3	2 6 11 9 8 13 24 25	21 15 14 22 23 22 21 24 56 17 16 21	19 24 25 25 26 27 21 25 26	26 27 28 34 28 31 34 35 29 32 34 39	15 28 28 17 32 30 38 36 32	26 26 26 25 23 15 8 3 30 31 31 30 28 22 13 6 34 35 32 31 29 22 13 6
09-10-2023 8:00 Day NML4 SVAN 9770 SN-99021 09-10-2023 8:15 Day NML4 SVAN 9770 SN-99021 09-10-2023 8:30 Day NML4 SVAN 9770 SN-99021	11.5 86 0 17.6 58 58 14.0 14.0 153 0 17.8 57 66	51 52 50 40 46 69 55 50 39 47	6 3 minutes excluded, Wind. 5 minutes excluded, Helicopter.	-5 -1	1 2 4	7 9 13 13 8 12 16 27	15 19 21 22 31 29 30 25	26 28 30 33 33 34	32 33 35 37 34 34 35 36	x x x	35 36 36 35 33 26 17 8 36 36 36 36 34 27 18 10
09-10-2023 8:30 Day NML4 SVAN 977D SN:99021 09-10-2023 8:45 Day NML4 SVAN 977D SN:99021	13.3 83 0 18.3 55 70 12.6 85 0 19 51 64	72 59 49 38 47 56 56 52 40 48	2 minutes excluded: Airphane passiby. 5 minutes excluded: Wind, Airphane passiby.	-1 1 2 3	1 3 4	7 9 13 25 9 12 14 21	32 33 26 37 25 25 31 31	34 37 35 31 34 33	35 35 34 35	34 34 34 37 36 36	34 34 35 34 32 25 17 10 37 37 38 37 38 29 20 13
09-10-2023 8-45 Day NML4 SVAN 977D SN-90021 09-10-2023 9:00 Day NML4 SVAN 977D SN-90021 09-10-2023 9:15 Day NML4 SVAN 977D SN-90021	13.7 75 0 19.3 49 65 14.4 68 0 19.7 46 62 12.6 66 0 20.4 43 61	59 55 51 42 48 54 56 52 42 49 54 55 52 44 49	Excluded - Wind S minutes excluded. Wind, Vehicle passbys.	-2 1	1 9 12 3 11 10	12 19 13 14 15 22 14 16 11 13 14 15	18 20 22 23 18 21 23 24	27 29 31 27 30 32 29 31 33	33 35 37 39 34 35 36 38 35 36 37 38	38 37 37 38 38 37 38 38 38	38 38 39 38 35 28 19 12 38 38 39 39 36 29 21 14 39 49 41 40 37 31 22 14
09-10-2023 9:30 Day NML4 SVAN 977D SN:99021 09-10-2023 9:45 Day NML4 SVAN 977D SN:99021 09-10-2023 10:00 Day NML4 SVAN 977D SN:99021	12.6 65 0 20.4 43 61 12.6 65 0 20.5 42 60 10.8 65 0 20.9 40 60	63 55 51 39 48	Erikaded: Wind 3 minutes sockaded: Wind. Vehicle passebys. 5 minutes sockaded: Wind, Vehicle passebys.	-2 g	0 4 5 4 6 8	7 10 25 27 9 12 13 14	17 21 22 23 17 21 23 24	29 31 33 26 28 30 28 30 32	32 34 34 36	35 36 36	30 40 41 40 37 31 22 14 38 38 39 39 34 25 19 12 30 39 40 40 37 30 22 15 38 38 37 37 37 35 28 20 12
09-10-2023 10:15 Day NML4 SVAN 977D SN:99021 09-10-2023 10:30 Day NML4 SVAN 977D SN:99021	10.1 65 0 21.5 38 65 10.5 71 0 22.2 36 60 19.4 62 0 22.5 35 61	55 54 50 40 47 63 55 51 40 47	5 minutes excluded. Wind. 5 minutes excluded. Wind & Vehicle passibys.	0 4	4 4 5	11 10 13 13 10 13 20 26	16 19 22 24 29 23 25 26	27 29 31 28 30 31	32 34 34 35 33 35 35 36	26 36 36 36 36 36	37 37 38 37 35 28 20 12
09-10-2023 10:45 Day NML4 SVAN 977D SN:99021 09-10-2023 11:00 Day NML4 SVAN 977D SN:99021 09-10-2023 11:15 Day NML4 SVAN 977D SN:99021	9.4 82 0 22.5 35 61 11.2 78 0 22.5 35 60 10.1 73 0 22.3 35 66	54 55 52 38 48 50 58 52 35 48	5 minutes excluded. Wind & Vehicle passbys.	5 7	3 6 7 7 8 10	10 13 15 26 11 12 13 15	20 23 25 25 16 22 24 25 20 31 32 35	29 29 31 28 30 32	34 36 37 36 34 35 36 37	37 37 37 37 37 37	38 38 39 38 35 29 20 13 38 38 39 39 37 30 22 15 35 36 36 35 36 27 19 12
09-10-2023 11-30 Dev NM 4 RVAN 9770 RN-99021		59 51 51 39 49 51 50 47 35 43 54 53 50 36 46	6 4 minutes excluded. Wind & Helicopter. 6 5 minutes excluded. Wind & Vehicle casabus.	7 13 -5 -3	2 5 15 2 3 1	25 23 25 27 5 9 17 22 9 12 19 22	29 31 32 35 16 17 20 21 21 21 23 34	24 26 28	29 39 37 36 29 31 31 33 33 33 34 35	25 35 34 23 33 32	35 36 36 35 34 27 19 12 32 33 33 32 30 23 15 8 35 37 37 36 35 29 21 14
09-10-2023 11:45 Day NML4 SVAN 977D SN:99021 09-10-2023 12:00 Day NML4 SVAN 977D SN:99021 09-10-2023 12:15 Day NML4 SVAN 977D SN:99021	8.3 113 0 23.5 32 60 10.1 88 0 23.2 32 54 7.6 60 0 23.9 31 62	54 53 50 36 46 55 49 46 32 41	5 minutes excluded. Wind & Vehicle passibys.	-7 -3	6 7 7 2 1 2	9 12 19 22 6 9 9 10	23 21 23 24 12 15 17 15	26 28 30 22 24 26	33 33 34 35 28 29 30 31	35 36 36 30 30 30	30 31 31 31 29 23 15 8
09-10-2023 12:30 Day NML4 SVAN 977D SN:99021	8.3 103 0 23.2 32 55 11.9 112 0 24.1 30 56	56 48 43 32 40 59 50 45 31 41	11	-11 -1 -12 -1	4 0 0	3 7 11 10 5 10 14 22	11 13 15 16 25 23 23 25	19 22 23 25 26 27	24 25 26 27 27 28 29 31	29 30 30	32 32 32 31 30 24 17 11 32 30 30 30 26 20 13 7 32 31 31 30 25 18 10 5
09-10-2023 13:00 Day NML4 SVAN 977D SN-99021 09-10-2023 13:05 Day NML4 SVAN 977D SN-99021 09-10-2023 13:00 Day NML4 SVAN 977D SN-99021	10.1 119 0 23.5 29 51 9.4 91 0 23.8 30 55	54 51 45 33 43 55 49 44 34 41	2	-3 1 -10 -5	1 4 5	8 12 14 15 4 8 15 13	15 16 18 19 14 15 15 17	20 23 25 20 22 24	26 29 26 30 25 26 27 32	34 30 33 31 31 30	34 33 34 34 29 24 17 10 32 30 30 30 26 21 14 9
09-10-2023 13:30 Day NML4 SVAN 977D SN:99021 09-10-2023 13:45 Day NML4 SVAN 977D SN:99021 09-10-2023 14:00 Day NML4 SVAN 977D SN:99021	10.4 110 0 23.4 31 60 7.9 49 0 23.5 31 58	53 51 46 33 43 51 44 40 33 38	0	-5 -3 -10 -5	2 2 2 5 0 1	4 7 8 9 2 7 9 8	9 12 13 15 9 12 13 15	22 24 25 18 21 23	28 29 30 31 24 25 25 26	33 34 33 29 27 26	32 32 33 32 29 24 16 9 27 27 27 26 24 19 12 7
09-10-2023 14:00 Day NML4 SVAN 9770 SN:99021 09-10-2023 14:15 Day NML4 SVAN 9770 SN:99021 09-10-2023 14:30 Day NML4 SVAN 9770 SN:99021	9.0 120 0 24.5 28 61 63 63 65 65 0 23.8 30 57	63 51 46 33 42 62 51 45 32 41	5 minutes excluded, Wind & Helicopter passiby. 4 4 minutes excluded, Wind & Alphane passiby.	9 4	4 1 6	5 12 16 17 4 10 28 27	16 23 22 23 18 21 19 20 19 18 22 22	25 27 29 23 25 26 24 26 27	30 30 30 34 27 27 29 34 38 29 30 30	31 32 30 34 30 29	30 30 30 30 27 21 14 8 29 29 29 28 28 28 20 13 7 31 32 33 32 30 24 17 10
	8.3 77 0 24.6 28 56 :	59 52 47 32 42 58 47 44 30 39 63 51 45 34 42	II	-6 -1	1 2 2	3 7 9 8 2 7 20 24	10 13 15 17 15 19 21 20	19 22 24 23 24 25	25 26 27 27 27 28 29 31	29 28 29 31 31 31	31 32 33 32 30 24 17 10 29 30 30 29 28 22 16 10 31 33 32 31 28 22 14 6
09-10-2023 15:00 Day NML4 SVAN 977D SN:99021 09-10-2023 15:15 Day NML4 SVAN 977D SN:99021 09-10-2023 15:30 Day NML4 SVAN 977D SN:99021	9.0 116 0 23.9 29 59 8.6 94 0 23.3 31 52	61 48 38 30 37 54 41 36 26 32	4	-12 -1 -13 -6	7 -1 -3	4 6 5 5 4 5 5 5	6 8 11 13 4 6 8 10	15 18 20 12 16 17	27 28 29 31 21 22 23 28 18 19 21 21	25 25 24 22 21 21	31 27 24 23 21 16 10 7 22 24 21 20 17 13 9 6
		55 49 41 28 38 64 48 41 31 39	9	-10 -1 -12 -1	4 0 -2 4 0 -4	1 5 6 7	9 13 14 16 8 11 12 14	19 21 23 18 19 22	25 26 26 29	28 28 27 32 27 27	26 28 28 27 25 19 12 7 30 28 28 26 23 17 11 6
09-10-2023 10-00 Day NML4 SVAN 977D SN-99021 09-10-2023 16:15 Day NML4 SVAN 977D SN-99021 09-10-2023 16:15 Day NML4 SVAN 977D SN-99021	7.2 60 0 24.1 29 60 1 2 2 3 3 3 5 4 1 2 3 6 1 1 2 3 6 1 1 2 3 6 1 1 2 3 6 1 1 2 3 6 1 1 2 3 1 1 1 2 3 1 1 1 2 3 1 1 1 1	57 45 38 28 35 66 53 41 29 40 58 49 42 30 39		-13 -3 -3 -3	5 -1 -5 3 0 3	3 7 11 2 10 13 22 16	3 6 7 10 16 20 20 22 16 24 20 24	18 19 22 12 16 19 26 30 31 27 29 29	20 22 21 25 32 31 29 29 28 28 27 29	27 25 28 28 23 28 26 24	25 27 24 21 17 11 6 3 23 27 21 16 12 8 4 2 24 27 24 23 21 16 9 4
09-10-2023 16-45 Day NML4 SVAN 977D SN-99021 09-10-2023 17-50 Day NML4 SVAN 977D SN-99021 09-10-2023 17-15 Day NML4 SVAN 977D SN-99021	7.2 108 0 23.6 29 55 6.8 69 0 23.8 30 52	50 49 42 30 39 54 44 40 33 37 54 54 42 35 41	2 minutes excluded. Helicopter.	-10 -4	9 0 11 4 0 -3	17 14 21 19 -1 3 5 6	10 24 20 24 10 12 13 15 10 11 13 **	27 29 29 19 21 23 19 21 23			24 27 24 23 21 16 9 4 25 28 26 26 23 17 10 5 33 32 29 28 29 18 11 5
GP-10-2023 17:15 DBY NWL4 SWAN 977D SN-99021	e-r 84 0 233 31 53	on on 44 35 41 :		-11] -4	71 -11 -2		reg 11) 12) 15	191 211 23	eg 20 21 32	en 30 31	<u> </u>

					- In			_	_		Lmax Requires Further	Comments (dominantholeworthy sources).																				
Period C	Location	Logger Wine (km)	d Speed Wind Rainfall (b) Direction (mm)	Temp Humidit	ty LAmex L	LAImax L	A1 LA10	LAGO	LAsq	LAsq SS30 Hz (incl +1.6 dB	Review	Comments (comments converting sources).	20Hz 25H	z 31.5Hz	40Hz 50	OHz 63H	tz 80Hz	100Hz 1	25Hz 168	3Hz 200H	z 250Hz 315	Hz 400Hz	500Hz 630	Hz 800Hz	1kHz 1	.25kHz 1.6kHz	z 2kHz 2	.5kHz 3.15kP	Hz WHz	SkHz 6.3	3kHz čkHz	z 10kHz 12.5kHz 16kHz
										correction)																						
09-10-2023 17:30 Day N 09-10-2023 17:45 Day N 09-10-2023 18:00 Day N	WL4 WL4	SVAN 977D SN:99021 SVAN 977D SN:99021		22.5 22.1 21.4	33 59 34 66 36 54		50 4 50 4	61 3 61 3	13 41	0 30			-13 -13 -14		- 4	-2	8 10 9 8	18	15 16 12		15 15 16 13	18 20 17 20	21	29 28 22 24	31 26 26			26 2 32 3 28 3	25 30 31 32		24 23 29	
CO-10-2023 TE. 13 EVENING TO	401.7	STORE STILL SHE SHOW!	9.7 75 0 6.8 69 0	20.8	36 54 37 60	58 62	47 4	(2 3 29 3	13 3	9 3: 8 2:		Z minutes excluded, Wind & vehicle passbys, Wind becoming	-16	-12 -10 -13 -10	- 3	-	10 8	10	11	9 .	10 13	16 19	21	25 25 22 23	26	29 2 30 2	28 27 29 27	25 3	31 30	28	29	22 15 6 2 20 13 6 2
09-10-2023 18:30 Evening N 09-10-2023 18:45 Evening N	WL4	SVAN 977D SN:99021 SVAN 977D SN:99021	5.4 60 0	20.1	39 53	55	43 4	0 3	15 3 15 4	s 31		2 minutes excluded, wind a vehicle possiblys, wind becoming dominant.	-12	-10 -7	-2	1	11 7	9	11	11 1	13 15	20 22	24	25 26	25	27 2	25 24	25 3	31 32	25	24	22 14 7 3
		SVAN 977D SN:99021	8.3 74 0	19.5	42 57	60	50 4	11 3	17 4	31		Excluded - Local vehicle and helicopter, dog banks (outside of 630 Hz filter)	4	3 -2	8	20	16 15	21	10	10	19 23	24 26	26	29 27	30	30 2	25 25	31 3	34 31	19	18	15 9 5 2
09-10-2023 19:15 Evening N 09-10-2023 19:30 Evening N	WL4	SVAN 977D SN:99021	11.2 72 0	19.2	43 65	67	60 4	45 3	7 4	7 34		2 minutes excluded. Helicopter passiby. RTN and insects dominant.	5	7 -2	13	20	22 17	24	27	33 :	29 33	35 37	37	38 35	35	33 3	31 27	33 :	35 30	27	26	23 16 7 2
09-10-2023 19:30 Evening N 09-10-2023 19:45 Evening N 09-10-2023 20:00 Evening N	WL4	SVAN 977D SN:99021 SVAN 977D SN:99021		18.7	45 55 47 55	59 56	50 4 49 4	6 3	19 4	1 3		Excluded - RTN and Helicopter passity. Excluded - RTN and Helicopter passity.	-4 5	9 -5	9	15	17 15 15 22	16	15	19 2	20 23 20 24	25 26 27 29		29 29 30 29	27	31 3 26 2	30 30 36 26		34 32 31 30	32	31 . 28 .	29 22 12 5 26 19 10 4
09-10-2023 20:00 Evening N 09-10-2023 20:15 Evening N	WL4	SVAN 977D SN:99021 SVAN 977D SN:99021	9.7 63 0 8.6 61 0	17.8	51 51 55 50	51	47 4	29 3 13 3	5 4	0 1		4 minutes excluded. Helicopter 5 minutes excluded. Helicopter	6	4 4	13	13	16 19	14	15	25 :	16 23 21 26	25 26 28 29	29	29 28	27	27 2	27 27	28 2	27 26 29 30 30 30	22	29 :	19 12 6 3 27 21 13 6
09-10-2023 20:15 Evening N 09-10-2023 20:30 Evening N 09-10-2023 20:45 Evening N 09-10-2023 21:00 Evening N	WL4	SVAN 977D SN-99021 SVAN 977D SN-99021	24 33 0 24 33 0	16.6	63 54	55	52 4	8 3	6 4	5 3		Cachaded - Wind.	-2	1 3	7 5	8	12 11	12	15	19 :	21 22	26 27	29	31 32	23	33 3	33 33		34 35 36 37	36	35	34 27 18 11 36 29 20 11
			11.5 27 0 15.1 31 0	16.1	72 51 72 53	51	50 4 52 4	68 4 69 3	11 40	5 3		Excluded - Wind. Excluded - Wind.	-2	4 1	4	6	12 10	11	16			26 28 26 28	30	32 33 32 33	33	34 3	34 34 34 34		34 35 35 35		35	34 27 18 10 34 27 18 10
09-10-2023 21:30 Evening N 09-10-2023 21:45 Evening N 09-10-2023 22:00 Evening N			14.4 29 0 10.1 33 0	16	72 49 73 49	49 52	48 4	64 3 62 3	19 40	2 2		Eschaled - Wind. 5 minutes excluded, Wind.	-9 -11	7 4	* 1	3	12 8 9 5	9	14	14 1	21 23 18 20	24 26 21 23	25	29 30 26 27	27	30 3 27 2	27 27	31 3 28 2	31 32	32	32 29	27 20 12 5
09-10-2023 22:15 Night N 09-10-2023 22:30 Night N	WL4	SVAN 977D SN:99021 SVAN 977D SN:99021	5.8 45 0 8.3 38 0	15.5	74 42 75 43	43 44	40 3	36 3 38 3	11 3	4 25	Ok, s50 dBA Ok, s50 dBA	4 minutes excluded. Wind & Vehicle passbys.	-13 -14	-10 -8 -11 -9	-2	-1	9 5	- 4 - 5	11	10 1	13 15	17 19 19 22	21	22 22 24 24	22 24	22 2 24 2	22 22 23 24	22 2	24 24 25 25	24	23 25	21 15 8 3 23 16 8 3
												2 minutes excluded. Wind. Distant machinery noise audible, excitating sound similar to small pump. Evapouration cannons detected at NML1 during this time, however this machinery source																				
09-10-2023 22-45 Night N 09-10-2023 23:00 Night N	WL4	SVAN 977D SN:99021	2.0 37 0	15.2	76 44 77 42	44	42 3	39 3 36 2	12 3	5 2	Ok, SSO dBA Ok, SSO dBA	consider at Next.1 during this time, however this machinery source sounds different to the cannons.	-14 -15	-11 -8	-2	-1	10 4	4	11	11	13 15	20 21	23 20	24 24 20 21	24	24 2 21 2	24 24	24 2	26 26 24 23	26	25 23	23 16 8 3
09-10-2023 23:15 Night N 09-10-2023 23:30 Night N 09-10-2023 23:45 Night N	WL4	SVAN 977D SN:99021 SVAN 977D SN:99021	6.5 50 0 6.5 54 0	14.8	78 44 79 44	46 49	40 2 32 2	13 2	16 3	1 21	Dk, 550 dBA Dk, 550 dBA Ok, 550 dBA		-15 -17	-14 -11 -15 -13	-3	-1	13 8	4	11		10 12	16 20	21	21 21		19 1 16 1		16 2	23 18	17	16	14 9 4 2 10 6 4 2
09-10-2023 23:45 Night N 10-10-2023 0:00 Night N 10-10-2023 0:15 Night N	WL4	SVAN 977D SN:99021 SVAN 977D SN:99021	5.8 68 0	14.6	79 33 80 31	33	31 2	28 2 27 2	12 21	5 2	Ok, 550 dBA Ok, 550 dBA Ok, 550 dBA		-17	-14 -14 -15 -14	-2	-5	7 2	0	8 10	2	2 5 3 6	10 14	16	15 13 15 13	13	14 1	11 9	5 2	20 12 17 11	10	8 10	7 6 4 2 8 6 4 2
10-10-2023 0:15 Night N 10-10-2023 0:30 Night N	WL4	SVAN 977D SN:99021 SVAN 977D SN:99021	6.1 61 0	14.2	50 40 50 35	42 39 41	32 2 34 2	28 2 28 2	12 21	6 2	Dk, 550 dBA Dk, 550 dBA Dk, 550 dBA	-	-17 -17 -17	-15 -14 -15 -13	- 2	3	9 3	2	10	3	4 7 5 8	11 15 12 16	17	16 17 17 17	16 16	15 1 16 1	11 9	11 1	16 10 15 12	11	11	7 6 4 2 9 6 4 2
10-10-2023 0:30 Night N 10-10-2023 0:45 Night N 10-10-2023 0:45 Night N	WL4 WL4	SVAN 977D SN:99021 SVAN 977D SN:99021	6.5 56 0	14.1	82 40 83 45	41 45	34 2 38 2	29 2 35 2	3 2	7 2:	Ok, 550 dBA Ok, 550 dBA Ok, 550 dBA		-17 -16	-14 -14 -13 -11	-2	-3	11 2 13 2	3	10	8	9 12	12 15 16 19	18 22	19 18 21 21	16 20	16 1 19 1	13 11	10 1	16 13 18 18	12	11	9 6 4 2 16 10 5 2
10-10-2023 1:15 Night N	ev£.4	SWAN 977D SN:99021	6.1 58 0	13.5	D4 39	39	37 3	2	3	25	ux, so0 dBA	Same distant machinery noise as earlier in this night-time period. Oscilating sound still audible. Cannons not detected at NML1	-15	-14 -11	4	-21	10 1	1	10	7	y 11	15 17	18	TH 19	19	20 1	20	20 2	au 21	21	21	TH 12 5 2
10-10-2023 1:30 Night N 10-10-2023 1:45 Night N	WL4	SVAN 977D SN:99021	5.0 58 0	13.5	86 35	37	34 :	11 2	5 2	9 2	Ok, 550 dBA Ok, 550 dBA	during this period Wind noise at times.	-15	-12 -10	-3	-2	10 2	,		s	7 9	13 15	17	17 16	16	17 1	17 17	17	15 15	18	15	16 10 5 2
10-10-2023 1:45 Night N 10-10-2023 2:00 Night N 10-10-2023 2:15 Night N	WL4	SVAN 977D SN:99021 SVAN 977D SN:99021	2.2 69 0 1.4 335 0	13.3	57 45 90 43	49 45	35 2	12 2	13 21	9 2	Dk, 550 dBA Dk, 550 dBA Dk, 550 dBA	Road train - 3 minutes excluded Road train - 2 minutes excluded	-12 -15	-10 -8 -12 -10	7 79	0	10 8 10 7	5	13	5	7 9 9 11	13 17 14 19	15 22	18 17 22 21	16	16 1 18 1	14 14 13 10	14 1 7 1	15 15 12 11	15	15 8	13 11 12 2 7 6 4 2
10-10-2023 2:15 Night N 10-10-2023 2:30 Night N	WL4	SVAN 977D SN:99021 SVAN 977D SN:99021	4.0 219 0	11.3	94 37 95 44	39 45	30 2 39 3 40 3	26 2 12 2	13 2	9 21	Ok, \$50 dBA		-17 -15 -17	-14 -13 -14 -13	-3	1	15 0	4	12	8	3 6 8 11	10 12 14 18	14 22	15 13 22 21	14	16 1	11 8	7 5	9 8	8 8	8	7 5 4 2 7 5 4 2
10-10-2023 2:30 Night N 10-10-2023 2:45 Night N 10-10-2023 2:45 Night N	WL4	SVAN 977D SN:99021 SVAN 977D SN:99021	1.8 146 0	10.7	97 51 99 34 99 42	35	40 2 33 2 37 2	12 2	2 2	6 26	Check, above 50 dBA Ok, 550 dBA Ok, 550 dBA	LAmax - Insects.	-17 -16	-14 -14	- 4	1	16 11	- 4 - 5	14	5	5 7	15 18	15	22 22 18 16	19	19 1	13 9	7	5 5	8	7	7 15 17 3 7 5 4 2
10-10-2023 3:15 Night N 10-10-2023 3:30 Night N 10-10-2023 3:45 Night N	90L4 90L4	SVAN 977D SN:99021 SVAN 977D SN:99021 SVAN 977D SN:99021	1.1 337 0	10.1	99 45 99 45	53 47	33 2	28 2 27 2	2 2		Ok, 550 dBA Ok, 550 dBA		-15 -15	-13 -13 -13 -11	-1	-1	12 5	3	10	5	9 12 4 5	10 20 12 15	16	15 14	14	18 1 17 1	14 12	7	8 8	8	7	7 9 14 7 7 6 6 7
10-10-2023 4:00 Night N 10-10-2023 4:15 Night N	WL4	SVAN 977D SN:99021 SVAN 977D SN:99021		9.9 1	100 29	30	26 2 34 2	24 2	10 2	2 21	Ok, 550 dBA Ok, 550 dBA		-14	-6 -7 -13 -12	-1	-1	6 4	- 1	5	-1	1 5	9 13	14	11 11	12	12	9 7	7 7	9 8	8 8		7 5 4 1
10-10-2023 4:30 Note: N	WL4	SVAN 977D SN:99021	2.2 197 0 2.2 30 0	9.1 1 9.3 1	100 39	41 49	36 2 40 2	12 2 11 2	12 2	9 2	Ok, SSO dBA Ok, SSO dBA		-13 -14	-13 -11 -13 -11	- 4	-1	7 9 8 5	4	5	3	7 11 4 7	14 18 10 13	21 14	21 21 13 17	19	16 1 24 2	11 8	12 1	8 8 11 11	11	8	7 5 4 1 8 6 4 1
10-10-2023 5:00 Night N 10-10-2023 5:15 Night N 10-10-2023 5:30 Night N			4.0 67 0 3.2 68 0	95 1 93 1	100 67 100 63	70 67	58 5 55 4 55 4	52 2 65 3	19 4	4 20	Check, above 50 dBA Check, above 50 dBA	LAmax - Birds LAmax - Birds	-12 -14	-13 -10 -12 -10	- 5	-1	10 9 5 5	5	9 7	6	9 11 5 9	15 19 13 17	20 18	20 24 19 23	31	34 3 36 4	17 29 60 34	29 :	42 30 32 31 29 35	27 27	24 :	23 13 7 2 15 6 4 1
10-10-2023 5:45 Night N	WL4	SVAN 977D SN:99021	4.3 63 0	10.2 1	99 55	71	54 4	4 3	12 4	3 2	Check, above 50 dBA Check, above 50 dBA	LAmax - Birds LAmax - Birds	-14 -14	-12 -9	- 4	-1	9 6	6	14	11	7 10	17 21	21	22 28	31	35 3	35 33	30 2	27 25	23	15	10 9 4 1 14 8 4 2
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10-10-2023 6:30 Night N 10-10-2023 6:45 Night N	WL4 WL4 WL4 WL4	SVAN 977D SN:99021 SVAN 977D SN:99021 SVAN 977D SN:99021 SVAN 977D SN:99021 SVAN 977D SN:99021	5.4 48 0 3.2 61 0 1.8 212 0 2.2 149 0 2.2 148 0 2.2 346 0	11 122 11.5 12.1 14.7 15.7	99 65 97 65 96 65	68 68 68 68 68	52 4 53 4 51 4 57 4 54 4 53 4	6 3 0 3 0 3 0 3 0 3 0 3	13 45 13 45 15 45 16 45 11 45	2 2	Check, above 50 dBA Check, above 50 dBA	3 minutes excluded. Airplane & Vehicle passibys. LAmax - Birds Oscillating noise at 63 Hz & 125 Hz, possible local mechanical	-12 -13 -10 -6 -11 -11	41 -7 40 -7 -7 -4 -5 -2 -7 0 -7 -1	3 3 0 2	2 1 3 7 6	10 12 13 11 15 11 19 13 12 10 11 21	29 20 5 15 13	27 20 14 20 19	21 2 22 11 18 18 10 10 10 10 10 10 10 10 10 10 10 10 10	27 27 14 27 14 11 14 13 26 12 19 18 20 18 20	23 25 17 21 18 23 25 27 17 20 19 19	25 30 22	27 30 24 29 28 30 31 33 26 28 20 24	31	35 3 35 3 36 3 39 3 35 3 35 3	36 31 37 30 36 31 39 32 36 28	25 2 26 3 26 3	26 32 33 32 27 28 31 37 32 35 31 36	26 26 26 31 31 30	21 21 25 24	15 7 4 2 15 7 4 2 22 10 4 2 21 10 4 2 24 12 6 2
10-10-2023 E:30 Night N 10-10-2023 E:45 Night N 10-10-2023 F:45 Night N 10-10-2023 7:15 Day N 10-10-2023 7:30 Day N 10-10-2023 7:30 Day N	90L4 90L4 90L4 90L4 90L4 90L4	SVAN 977D SN-99021 SVAN 977D SN-99021	5.4 48 0 3.2 61 0 1.8 212 0 2.2 148 0 2.2 346 0 4.3 355 0 6.5 15 0	11 122 11.6 12.1 14.7	99 65 97 65 96 65 96 65 87 65	68 68 68 68	52 4 53 4 51 4 57 4 54 4 53 4	65 3 10 3 17 3 17 3 10 2 18 2 17 3	13 40 13 40 15 40 16 40 11 40 18 31 11 40	2 2	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	3 minutes excluded. Airplane & Vehicle passibys. LAmax - Birds Oscillating noise at 63 Hz & 125 Hz, possible local mechanical	-13 -10 -8 -11	11	3 0 2 1 1 4	2 1 3 7 6 4 2 5	10 12 13 11 15 11 19 13 12 10 11 21 8 12 10 25 8 8	29 20 8 15 13 27 18 26 8	14 20 19	21 22 21 11 18 10 21 11 17 13	04 27 17 14 11 14 12 25 12 19 18 20 18 10 11 18	17 21 18 23 25 27 17 20	25 30 22	27 30 24 29 28 30 31 33 26 28 20 24 19 23 27 27 29	31	35 3 35 3 35 3 36 3 39 3 35 3 32 3 32 3 32 3	36 31 37 30 36 31 39 32 36 28	25 2 26 3 27 3 25 2 25 2	26 32 33 32 27 28 31 37 32 35	24 31 29	21 25 24 23 17 25	21 10 4 2
10-10-2023 E:30 Night N 10-10-2023 E:45 Night N 10-10-2023 F:45 Night N 10-10-2023 7:15 Day N 10-10-2023 7:30 Day N 10-10-2023 7:30 Day N	90L4 90L4 90L4 90L4 90L4 90L4	SVAN 977D SN-99021 SVAN 977D SN-99021	5.4 48 0 3.2 61 0 1.5 212 0 2.2 149 0 2.2 149 0 2.2 348 0 4.3 355 0 6.5 15 0 8.6 356 0 8.6 354 0 10.1 350 0	11 122 11.6 12.1 14.7 15.7 16.2 16.8 17.1 18.1 18.7	99 63 97 63 96 63 96 65 96 66 87 63 82 67 79 63 76 62 73 66 67 60 63 58	55 55 55 55 55 70 55 55 70 63	52 4 53 6 51 4 57 4 54 4 53 4 69 3 55 4 68 4 68 4	6 3 6 3 7 3 7 3 6 3 6 3 6 3 6 3	13 43 13 43 15 43 16 43 11 43 18 3 11 43 15 44 15 43	2 2	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	3 minutes excluded. Airplane & Vehicle passibys. LAmax - Birds Oscillating noise at 63 Hz & 125 Hz, possible local mechanical	-13 -10 -8 -11 -11 -11	-11 -7 -10 -7 -7 -4 -5 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -5 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -2 -7 -4 -4 -2 -2 -7 -4 -2 -2 -7 -4 -2 -2 -7 -4 -2 -2 -7 -4 -2 -2 -7 -4 -2 -2 -7 -4 -2 -2 -7 -4 -2 -2 -7 -4 -2 -2 -7 -4 -2 -2 -7 -2 -2 -2 -7 -2 -2 -2 -7 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2	3 0 2 1 1 1 4 0	2 1 3 7 6 4 4 2 5 4 4 4	10 12 13 11 15 11 19 13 12 10 11 21 8 12 10 25 8 8 9 9	29 20 8 15 13 27 18 26 8	14 20 19	21 22 11 11 10 10 11 11 11 11 11 11 11 11 11	17 14 11 14 23 26 12 19 18 20 8 10	18 23 25 27 17 20 19 19 12 15 20 21 20 23 21 24 17 20	25 30 22	27 30 24 29 28 30 31 33 26 28 20 24 19 23 27 29 27 29 27 29 22 27	31	35 3 35 3 36 3 37 3 38 3 39 3 35 3 32 3 32 3 32 3 32 3 32 3 32 3 32	36 31 37 30 36 31 39 32 36 28 31 28 31 28 31 27 37 34 37 32 31 32	25 2 26 3 27 3 27 3 30 3 31 3	25 32 33 32 27 28 31 37 32 35 31 36 23 22 23 22 34 28 31 31 31 31 32 30	24 31 29 30 30 1 20 25	21 25 24 23 17 25 30 31 29	21 10 4 2 24 12 6 2 13 8 4 2 23 17 8 3 22 13 6 29 22 13 6 25 19 12 6
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0-2023 2:45 Night N	ML4 SVAN 977D SN:99021	4.7	47	. 0	16.5	63	3 42 4 51	43	35	30 2	27	24 Ok, \$50 dBA		-12	-14	-13	-10 -	5 9	-1	3	2 5	5	10 13	15	19 1	17	16 1	1 9	12	21 16	10 10	_ =	_
0-2023 3:00 Peges N	MAIL 4 SUAN 977D SN:99021	2.9	70		16.2			45		25 2		21 Ok, 550 dBA	LATER - PERCEL	-15	-16	-14	-10	3 6	-1	4	4 2	3	7 10	12		7 17	16 1	1 10	10	15 14	10 10		_
0-2023 3:30 Note N	WL4 SVAN 977D SN:99021	3.2	87	0	15.9	65	5 43	44	35	30 24	20			-17	-16	-13	-11 -	7 5	0		3 6	7	12 16	15	10 1	7 17	18 1	8 16	14	17 16	14 14	- 11	_
0-2023 3:45 Night N	WML4 SVAN 977D SN:99021 WML4 SVAN 977D SN:99021 WML4 SVAN 977D SN:99021	4.3	51			55	5 43 6 38 6 37	39	32	29 2	27	24 Dk, \$50 dBA		-17	-16	-14	-11 -		-2 -	6	2 5	5	10 14	15	17 1		16 1	4 13	14	17 15	14 13	- 11	=
0-2023 4:00 Night N	ML4 SVAN 977D SN:99021	5.4	41		15.7	55	5 37	39						-17	-16		-11 -	-	-2 -	-	2 5	6	10 14	18	19 2	19	17 1	4 12	13	16 14	14 13	11	_
0-2023 4:30 None N	MAL4 SVAN 977D SN:99021 MAL4 SVAN 977D SN:99021	2.5	123		15.6 15.4	6.7 623	9 35	39	23	31 21	27	25 Ok, 550 dBA 24 Ok, 550 dBA	t	-15	-15 -15	-13	9 .	7 3	-1	1 4	2 4	5	10 15	19	19 1	10	16 1	3 13	16	15 15	14 13	12	_
0-2023 4:45 Note: N	WL4 SVAN 977D SN:99021	4.0	150	. 0	14.0	73	3 45	50	41	35 25	32	29 Ok, \$50 dBA		-16	-14	-11	-6	1 14	7	13	9 9	10	14 20	22		3 24	25 2	2 14	10	16 13	9 8	_7	=
0-2023 5:00 Night N	ML4 SVAN 977D SN:99021 ML4 SVAN 977D SN:99021	2.9	124	0	14.3 13.6	76	S 63	71	56 54	51 3 43 3	46	30 Check, above 50 dBA	LAmex - Birds	-15	-13	-11	-6 -	14	7	12	8 10	11	15 20	22	24 2	30	33 2	19 25	43 -	40 22	21 18	20	_
0-2023 5:15 Night N	WIL4 SVAN 977D SN:99021 WIL4 SVAN 977D SN:99021	2.9	114		13.6	79	1 53	55	54	43 30	42	27 Check, above 50 dBA 23 Check, above 50 dBA		-15	-15 -14	-12	-9 -	1 5	3	9	4 4	10	12 18	20	21 2	3 29	33 2	10 30	25	33 31 22 25	27 18	13	_
0-2023 5:45 Note	WIL4 SVAN 977D SN:99021	1.0	75					72						-15	-11	-10	-7	10	6	1 1	8 12	16	16 20			t 32					24 17		_
0-2023 6:00 Night N	WIL4 SVAN 977D SN:99021 WIL4 SVAN 977D SN:99021	2.2	55		13.8	79	9 66	69	52	44 3	42	27 Check, above 50 dBA	2 minutes excluded, Airplane passby, LAmax - Birds	-15	-13	-10	.7	2 8	6 2	32	25 17	22	19 20	22	23 2	29	35 3	16 32	29	25 23	26 20	15	=
0-2023 6:15 Night N	WL4 SVAN 977D SN:99021				12.7				51	44 33		30 Check, above 50 dBA	1 minute excluded. Helicopter passiby. Oscillating noise at 63 Hz 5 125 Hz, possible local mechanical source. LAmex - Birds																		31 22		
0-2023 6:15 Night N	WIL4 SVAN 977D SN:99021	4.0	37	0	13.7	80	0 64	67	51	44 33	42	33 Check, above 50 dBA	125 Hz, possible local mechanical source. LAmix - Birds	-15	-12	-9	4	1 10	9 1	12	14 19	23	18 19	23	25 2	4 28	34 2	8 32	27 .	30 28	31 22	15	_
													Oscillating noise at 63 Hz & 125 Hz, possible local mechanical source. Distant engine noise, sounding more like RTN. LAmix-																				
0-2023 6:30 Night N	WL4 SVAN 977D SN:99021	3.6	60		13.5	82	2 59	71	48	42 33	41	31 Check, above 50 dBA		-15	-13	-9	4	11	5	5 14	13 12	13	18 22	24	26 2	7 30	33 3	5 34	28	27 25	27 24	17	
0-2023 6:45 Night N	WL4 SVAN 977D SN:99021				24.2								3 minute excluded. Airplane passiby. Similar sources to the above																				
0-2023 6:45 Night N	WL4 SVAN 977D SN:99021	2.9	114	0	14.7	83	3 63	33	52	43 3	43	Check, above 50 dBA	15-minute period. LAmax - Birds. Distant engine noise, sounding more like RTN, LAmax - Birds.	-14	-12	-9	-2	1 13	21 2	3 23	13 11	13	16 20	23	26 2	5 32	38 3	8 25	32	31 25	20 16	- 11	_
0-2023 7:15 Day	MIL4 SVAN 977D SN:99021 MIL4 SVAN 977D SN:99021	3.6	164	. 0	15.4	81 79	2 65	68	49		40	29		-14	-10	-6	-1	10	11 1	11	12 11	11	17 17	20	24 2	30	33 3	6 25	26 24	22 21	20 15	- 11	_
0-2023 7:30 Day N	WL4 SVAN 977D SN:99021	5.0	133	0	16	79	9 54	67	50	42 3	40	29		-12	-7	4	-1	4 12	11 1	15	13 10	10	13 15	19		7 30	33 3	14 30	26	27 27	25 23	15	
0-2023 7:45 Day N	WIL4 SVAN 977D SN:99021 WIL4 SVAN 977D SN:99021	1.2	37	0	17.3	70 67	0 65	68	53	45 21 41 21	42	35		-11	- 4		4	16	17 2	25	25 24	23	22 20	21 15	25 2	31	35 3	7 25	30 29	31 28 30 28	29 25	19	_
0-2023 8:00 Day N	WL4 SVAN 977D SN:99021	1.3	3/		19.3			75		44 2	40	23		-13	- 4	-4	-1	4 4	8	4	4 6	7	10 12			34	37 2	H 20	27	30 20			-
0-2023 8:30 Day	MAL4 SVAN 977D SN:99021 MAL4 SVAN 977D SN:99021	4.0	171	0	20.2	53	3 54 9 52	67		43 21 35 21		28		-13	- 4	- 3	-2	1 3	8 1	15	6 8	9	11 17	23 14	17 2		36 3	12 29	31 24	33 30 26 23			-1
0-2023 8:45 Day N	WL4 SVAN 977D SN:99021	4.0	257		20.6			63	44	35 21	36	24		-13	Ŷ	2	7	3	5	5 13	15 7	10	14 13	14	14 1								
0-2023 9:00 Day	WIL4 SVAN 977D SN:99021 WIL4 SVAN 977D SN:99021	3.6	218		21.3 21.8	47	7 61 3 65	64	52 50	43 23 40 25	40	22		-13	- 4	9	4	-	5	3 2	3 6	7	9 12	14	15 2	22	30 3	4 29	31 30	33 30 42 37	28 27		-
		4.7						65				34		-14	-7	-3	-6 -	1 7	25 2	22		21	19 19	10		18	24 2	1 25			25 25	15	-
0-2023 9:45 Day N	ML4 SVAN 977D SN:99021	5.4	130		22.9	39	9 59	59	53	44 21	41	24	1 minute excluded. Airplane passiby.	-15	-4		5 .	2 0	7 1				21 21	21	19 1	24	32 3	2 31	30	30 29	28 27	21	$\overline{}$
-2023 10:00 Day N	ML4 SVAN 977D SN:99021 ML4 SVAN 977D SN:99021	5.4	233 340		23.2 23.8	35	5 55 5 52	67	51	41 21 39 21	40	x		-15	-9	-5	-7 -	1 0	3 2	33	12 18	22	15 17	17	16 1	21	33 2	9 32	29 27	29 28	26 24	20	_
-2023 10:15 Day N	WAR 4 SUAN 977D SN:99021	1.3	340	0	24.5	36	4 54	55	52	41 21	40	24		-15	- 4	-4		9 -4	2	1 2	4 5	9	11 16	10	14 1 55 2	2 25	31 3	4 30	32	29 30	27 25	22	-
-2023 10:45 Day N	MML4 SVAN 977D SN-99021 MML4 SVAN 977D SN-99021 MML4 SVAN 977D SN-99021	7.2	297	. 0	25	23	3 59	63	51	41 21 42 31	39	28		-15	-11	-5	-6 -	1 -1	15 1		9 19	16	18 17	17	18 2	4 27	31 3	1 30	30 27	29 28	28 26	22	=
-2023 11:00 Day	ML4 SVAN 977D SN:99021	6.5	12	0	25 24.8	34	4 61	64	51	42 30	40	29	2 minutes excluded. Airplane passiby.	-13	4	-3	-2 1	2 19	29 3			22	23 21	17	18 2 19 1	20	24 2	25	27 :	25 25	25 24	25	
-2023 11:15 Day N	WIL4 SVAN 977D SN:99021	6.1	49		Z	33	3 53	55	48	43 21	39	34		-13	- 9		4	3		20			23 25	25	27 2	7 26	27 2		27 .				2
-2023 11:30 Day N	MAL4 SVAN 977D SN:99021	6.1	252	0	25.4	32	2 49	52	44	39 21	25	29		-10	- 4	-2	4	2	5 1 24 2	20	16 25	17	21 19	15	19 2	21	23 2	2 23	25 :				-
-2023 12:00 Day	ML4 SVAN 977D SN:99021 ML4 SVAN 977D SN:99021	7.2	291			32	4 54 2 56	59	48 45	42 2: 38 2:	35	24		-14	-7	-3	4 .	1 1	4	4	7 9	10	12 16	18	17 2	19	23 2	3 24	29 26	25 25	24 21 24 23		\neg
-2023 12:15 Day N	MML4 SVAN 977D SN:99021	9.0	259	0	25.5	32	2 54	55	54	35 25	40	25	I minute excluded. Airplane passiby.	-13	Ą	4	ş	2 7	20 2		31 22	24	22 21	15			27 3	25	25 :	22 22	21 21	22	
-2023 12:30 Day N	MIL4 SVAN 977D SN:99021 MIL4 SVAN 977D SN:99021	6.5	267 210	. 0	26 25.6		9 53	57	48	40 21 44 21	37	35		-9	-4		-3	4 9	19 2		24 25 18 22	24	24 23	22 24	20 1	9 20	24 2		25	25 25	25 25		_
-2023 13:00 Day N	ML4 SVAN 977D SN:99021	7.6	210	. 0	25.6	29	9 59	51	40	35 21	33	25	-	-6	-3	-2	3 .	2 1	10 1	1 3	11 14	14	15 16	15	14 1	17	18 2	7 21	22	23 22	29 29		- 2
-2023 13:15 Day	WIL4 SVAN 977D SN:99021 WIL4 SVAN 977D SN:99021	5.0	324 319	0	27 26.9	28	5 52 7 50	63	52	37 21 32 2	39	25	1 minute excluded. Helicopter passby.	-12	-1	2	0	1 7	19 2	16	30 34	25	27 28	25	26 2	23	24 2	3 20	21 27	22 24 35 24		19	=
-2023 13:30 Day	WIL4 SVAN 977D SN:99021	6.5			26.9	27	7 50	62	45	32 2	37	21		-15	-4	-1	-3 -	2 -2	4	5	2 7	7	8 13	13	13 1	18	21 2	20	27	35 24	18 17	14	
-2023 13:45 Day N	ML4 SVAN 977D SN:99021	6.5	233	0	26.9	26	5 58	60	52	47 30	43	34		-14	-3	0	-4	1 3	14 1	13	20 19	23	26 23	24	24 2	30	36 3	8 35	30	30 29	29 27	21	-
-2023 14:15 Day N	WAL4 SVAN 977D SN:99021 WAL4 SVAN 977D SN:99021 WAL4 SVAN 977D SN:99021	6.5	135 225	0	27.3 27.7	26	6 58 6 56 5 61	59	46	44 21 39 21	37	31	1	-14	- 4	-1 -2	-9	14	14 2		24 18	19	16 17	23 16	17 1	28	29 1	d 31	28	26 24	24 23	21	-
-2023 14:30 Day	WL4 SVAN 977D SN:99021	7.6	241	0	20	24	4 50	63	49	41 23	38	24		-13	-4	-1	-5	2 -1	4	7	6 9		12 16	15	16 1		25 3		29	30 30		22	=
-2023 14:45 Day N	MIL4 SVAN 977D SN:99021 MIL4 SVAN 977D SN:99021	7.2	233	0	28.2 28	24	4 51	55	45	38 21 39 21	35	31		-11	4		-3 -	1 4	21 2	21		15	18 19	15	18 1	19	22 2	2 22	25 27	25 25	24 23 26 24	21	
2023 15:00 Day N	MUL4 SVAN 977D SN:99021 MUL4 SVAN 977D SN:99021	6.8	169	0	27.2	24	4 50 4 51 4 58 5 51	60	44	39 21 40 3	35	20		-10	4	-1	4 .	1 5	9 1	11	9 12	13	15 17	19		20	23 2	24	27 26	27 27	26 24	22	
-2023 15:30 Day	WIL4 SVAN 977D SN:99021	5.6	105	0	27.8	74	4 61	63	50	44 21 38 2	40	34	Wind	-12	2	-9	-2	1 1	17 2	26	24 21	20	22 21	21	22 7		31 3	0 31	29	30 29	29 26	25	-
-2023 15:45 Day	MAL4 SVAN 977D SN:99021 MAL4 SVAN 977D SN:99021	10.1	126	0	27.8 27.8	25	4 60 5 57	58				25		-13	4	-3	-4	8	8	5 5	7 9	10	13 16			25	31 2 27 2	29	29 22		29 25 23 18	15	-
-2023 16:00 Day N	WL4 SVAN 977D SN:99021	6.1	27	. 0	27.6	25	5 50	52	43	37 21		26		-11	-2	-1	-2	3 7	9	- 5	7 10	11	14 15	17	20 2	20	25 2	7 25	22		22 21	19	=
2023 16:15 Day N	WIL4 SVAN 977D SN:99021	6.1	127	0	27.4	22	5 62	65	49	41 23 50 23	38	22		-14	-4	-1	-3	3 6	10	1 1	4 6	7	9 12	14	15 1	7 25	30 2	9 30	29	32 28 40 35	26 24		-
-2023 16:45 Day	WL4 SVAN 977D SN:99021 WL4 SVAN 977D SN:99021	4.0	141	0	27.4	25	5 51	54	44	38 21	35	24	1	-14	-3	-4	-5	1 1	6	1 1	7 9	10	13 14	15	19 2	10	27 1	5 2	24	27 27	24 10	17	-
-2023 17:00 Day N	WL4 SVAN 977D SN:99021	2.2	130	0	27.4	24	4 58	61	49	40 23	37	33		-13	4		-5	3 6	24 2	20	17 22	16	17 18	17	24 2	3 24	25 2	9 27	26	26 27	22 16	15	=
2023 17:15 Day N	MIL4 SVAN 977D SN:99021 MIL4 SVAN 977D SN:99021	12	120	0	27.3	24	4 61	63	50	38 21 34 21	38	22		-13	-4		4 -	1 0	2	1	3 4	7	11 12	14		23	27 2	8 25	27	34 29	25 21	19	_
2023 17:30 Day N	MAL4 SVAN 977D SN:99021	2.2	36	0	26.7 26.1		4 51 5 54	54	41	34 21 41 21	34	19		-14	4		-10	1 4	-1 -	- 2	-1 2	4	8 11	12	11 1	19	22 2	19	18 :	22 29	10 22	12	_
-2023 18:00 Day	WML4 SVAN 977D SN:99021 WML4 SVAN 977D SN:99021 WML4 SVAN 977D SN:99021	1.0	183		25.2	26	5 54 7 59 8 59 1 53	62	51	39 21	30	35		-13	- 4	9	6	4 10			21 24	26	23 74			19	29 7	11 24			22 17	12	_
-2023 15:15 Evening N	VML4 SVAN 977D SN:99021	2.5	72		25.2 24.5	25	5 59	62 60		39 21 44 31		27	4 minutes excluded. Airplane & Helicopter passibys.	-17	-4 -15	-10	-7 -	1 11	18 2	27 3 34	23 29	33	23 24 31 32	26 31	29 2	28	28 2	11 24	22	23 29 27 29	22 18	13	_
-2023 15:30 Evening N	ML4 SVAN 977D SN:99021	2.9	25		23.1	31	1 53	54		36 3		20		-12	-11	-13	-12 -	7 0	4	4	2 4	2	10 10	11	13 1	22	27 2	13 17	16 :	24 32	19 10	10	=
-2023 15:45 Evening N	VML4 SVAN 977D SN:99021		l –	1 -	22.1		1						5 minutes excluded. Airplane passby, Dog barking & Vehicle	1	_						21 25				77	1	20	ابا			20	ال	
2023 19:00 Evening N	WIL4 SVAN 977D SN:99021	6.5 16.1	45	0	23.1	32	5 51	52	49	49 3	45	20	passiby. 3 minutes excluded. Vehicle passiby	-14	-10	-7	-4 -	1 3	14 1	2	13 17	17	19 21	22	33 2 24 2	34	24 3	9 2	23	43 39	27 26	24	-
-2023 19:15 Evening N	WL4 SVAN 977D SN:99021 WL4 SVAN 977D SN:99021	7.2	57	0	22.3	43	3 52	52		49 31 47 44		34	Excluded - Vehicle passby.	-5	- 3	-3	o	2 7	10	13	17 19	20	24 25	27	29 3	31	31 3	12 32	32 -	42 39	27 25 35 34		- 2
2023 19:30 Evening N	VML4 SVAN 977D SN:99021	9.4	57		21.7		5 55	59	54	51 43	48	35	Excluded - Wind.	-3	-2	- 1	3		10 1	16	19 22		27 29	31		4 35	35 3	15 35	35 -		37 37	35	- 2
2023 19:45 Evening N	WIL4 SVAN 977D SN:99021	8.3	64 67	0	21.2	52	2 54	57	54	50 44	48	33	Excluded - Wind	-3	-1	-1	4	1 .	10 1	16	20 22	24	27 29	31 34	33 3	4 35 7 38	35 3	5 35	30 -	41 35	35 35	35	_
2023 20:15 flyani-	WL4 SVAN 977D SN:99021 WL4 SVAN 977D SN:99021	10.1	67		20.8	55	9 5	58	55	53 4	50	-	Facilitation - World	- 1	- 5	- 6	8 1	14	14 1	178	24 27	27	31 32	34	30 3	7 38	30 3	29	30	40 41	41 41	70	-
-2023 20:30 Evening N	WL4 SVAN 977D SN:99021	8.6	65	0	19.9		2 54	54	53	50 40 46 30	47	30	Excluded - Wind.	-8	-3	0	3	1 8	11 1	16	20 22	24	27 29	31 26	33 3	4 35	35 2	5 35	35	35 35	37 37	35	- 2
		9.4	52	0	19.5	54	4 54	58	50	46 31	44	34	Excluded - Wind.	-11	-4		-2	2 3	9 1	17	19 19	21	22 24	26	29 2	30	29 2	10 30	31	39 35	32 32	30	2
2023 21:00 Evening N	ML4 SVAN 977D SN:99021	8.3	72	0	19.1	65	5 49	49	46	44 34	41	29	1 minute excluded. Wind and Vehicle passiby.	-11	4	-5	4	9	8	12	14 15	18	20 22	23	24 2	4 25	24 2	4 25	27 :	29 34	27 27	25	
2023 21:15 Evening N		6.1	73			67	4 45	49	46	** 2		4	2 minutes excluded. Helicopter. 1 minute excluded. Vehicle passiby. Distant machinery noise	-13	-11	-7	-3		9 1	14	14 15	20	∠0 23	23	24 2	9 23	22 2	4 23	27	24 33	25 25	22	
-2023 21:30 Evening N	WL4 SVAN 977D SN:99021	6.1	75		18.4	65	5 45	49	44	43 3		29	audble	-14	-12	-7	-3	2	7	1 7	12 13	15	20 21	24	23 2	2 21	19 1	8 18	25	37 30	21 20	18	10
-2023 21:45 Evening N	WL4 SVAN 977D SN:99021 WL4 SVAN 977D SN:99021	6.1	53	0	18.2 17.9	53	5 45 9 47 0 45	45	43	42 21 42 21	38	29		-15	-13	-9	-4	4	7	4	14 11	14	17 21	21	22 2 21 2	1 19	17 1	5 15	23 21	37 29	17 17	14 19	- 10
		5.8			17.9	70	01 48	49				284																					

End Time Time	Location	Logger Mine V	Veather Data		-	Raw 15-mins	rute Statistical I	Dota	П	Logsum LAeq15min to Aeg LAex S530 Hz	ota Lmax Requires Further	Comments (dominant/noteworthy sources).	Raw LAsq timin 20Hz 25Hz	1/3 Spe	edrum																	$\overline{}$
Period		Wind 5 (km/hr)	peed Wind Raini Direction (mm)	tall Temp (OC)	Humidity (%)	LAmex LAI	Almax LA1	LA10	LAGO L	(incl +1.6 dB	Review		20Hz 25Hz	31.58	Hz 40Hz 50	Hz 63Hz	z BOHz	100Hz 1	25Hz 160Hz 200	Hz 250Hz 315	Hz 400Hz 50	Hz 630Hz	SOOHz 1ki	fz 1.25k	1.5kHz	2kHz 2.5	AHz 3.15kHz 4	kHz 5kH	tz 6.3kHz	89Hz 109	Hz 12.5kHz	16kHz
										correction)	1.6																					
05-10-2023 22:15 Night			5.4 188	0 13.2	54	56	69 5	2 43	34	41		Exaporator Cannoms. Car Paraby = wind noise, 4min excluded Exaporator Cannoms. Car Paraby, 2min excluded, wind noise in	-14 -1	0	-3 3	12	9 13	12	13 16	25 25	24 26	26 28	32	35	32 25	26	25 25	27	29 28	22	14 8	- 4
05-10-2023 22:30 Night	NMLS	SVAN 977 SN:69720	6.5 194	0 12.8	55	56	75 4	9 41	33	39	35 Check, above 50 dBA	background at times	-12 -	4	-2 3	12	9 12	- 11	13 16	27 25	24 27	26 25	31	29	28 26	24	23 24	25	27 25	20	13 7	- 4
												Exaporator Cannons. Car Passby, 3min excluded. Wind noise thoughout 15-minute period, briefly dominant at times, affecting water																				
05-10-2023 22:45 Night	NAM A	SVAN 977 SN:69720	4.7 190	0 12.6	- 55	57	69 5	2 40	74	40	36 Check, above 50 dBA	camon noise levels. Noise level of 38-dBA considered to include wind contribution and not solely attributable to water cannons.	45 4		4 1	11	5 12	- 11	13 17	28 28	25 27	26 28	- 21	33	30 27	- 25	23 23	74	26 25	10	12 2	4
05-10-2023 23:00 Night	NMLS	SVAN 977 SN:69720	5.4 100	0 123			77 6	7 40			35 Check, above 50 dBA	Evaporator Cannons. Car Passby, Smin-excluded. Wind noise as identified in previously 15-minute period	4		e 10		20 22		73 77	24 25	20 27	W W		20	20 21	77	20 20	27	20 22	21		
05-10-2023 23:15 Night	NMLS	SVAN 977 SN:69720	2.9 191	0 12	56	47	58 3	34	29	23	32 Ck, 550 dBA	Exaporator Cannons	-15 -1	2	-8 0	10	0 6	5	8 12	20 22	21 24	22 23	22	21	21 18	17	17 17	18	19 19	13	9 6	4
05-10-2023 23:30 Night 05-10-2023 23:45 Night	NVL5	SVAN 977 SN:69720 SVAN 977 SN:69720	3.6 142	0 11.8	56 54	54 56		2 35	30	46 36	32 Check, above 50 dBA 30 Check, above 50 dBA	Essporator Cannons. Aircraft and Car Passby, 4min excluded Essporator Cannons. Car Passby, 2min excluded	-13 -	9	9 12 -5 2	17	6 9	24	25 20 12 12	24 25 21 20			30		37 34		27 24 23 21	21	21 19	15	10 7	4
06-10-2023 0:00 Night 06-10-2023 0:15 Night	NWL5	SVAN 977 SN:69720 SVAN 977 SN:69720	3.6 153 6.1 174	0 11.5	56 56	39 62	59 3 75 5	7 35 8 44	29 34	32 44	31 Check, above 50 dBA	Exaporator Cannons Exaporator Cannons: Car Passby, Imin excluded Exaporator Cannons: Car Passby, Imin excluded	-15 -1 -10 -	4	0 7	14 3	20 23	15	20 18	22 20 24 24	21 22 26 29	21 21		38	18 17 36 33	18 29	15 19 27 26	21	22 22 27	21	10 7	4
06-10-2023 0:30 MgM 06-10-2023 0:45 MgM	NML5	SVAN 977 SN:69720 SVAN 977 SN:69720	6.5 167 4.7 155	0 11.1	59	51 55	72 5 67 5	0 35	32	41	Check, above 50 dBA	Evaporator Cannons, Car Passby, Tmin excluded	-12 - -15 -1	2	-3 5 -6 1	12 9	12 13	16	7 11	23 22 21 19	20 22	23 25	34 28	31	32 29 29 26	24	23 23	25	25 24 27 26	20	12 7	4
05-10-2023 0:45 Night 05-10-2023 1:00 Night 05-10-2023 1:15 Night	NWL5	SVAN 977 SN:69720 SVAN 977 SN:69720	2.2 111 1.4 134	0 10.4	2	54 53	76 5 77 5	8 41 9 36	31 26	44	Check, above 50 dBA		-5 -	3	3 5	12	19 25 18 25	15	19 17	25 26 20 23	28 30	34 37	36	36	35 32 35 33	25 30	25 24 27 27	26	25 23 25 22	17	11 2 10 6	4
06-10-2023 1:30 Night 06-10-2023 1:45 Night 06-10-2023 2:00 Night	NWL5	SVAN 977 SN:69720 SVAN 977 SN:69720	1.1 193	0 9.5	54 57	56 61	78 3 74 5	1 25 5 34	23 24	27 42	22 Check, above 50 dBA 25 Check, above 50 dBA	Animal LAmax Car Patolity 2min excluded	-15 -1	3 .	6 13	18 :	-2 -4 25 21	15	-1 4 19 15	5 7 20 20	12 13 24 25	13 15	15	16	17 16 34 31	15	15 16 24 22	17	18 17	12	3 6	4
06-10-2023 2:00 Night 06-10-2023 2:15 Night	NWL5	SVAN 977 SN:69720 SVAN 977 SN:69720	2.2 82	0 93		41	65 3	S 32	27 30	30	23 Ok, 550 dBA 25 Ok, 550 dBA		-15 -1 -15 -1	2 .	-11 -2 -11 -2	11	4 4	1 4	0 4	8 9	12 13	15 15	15	16	16 17	18	19 19	21	23 22	16	10 7	4
06-10-2023 2:15 Night 06-10-2023 2:30 Night 06-10-2023 2:45 Night	NAVLS NAVLS	SVAN 977 SN:69720 SVAN 977 SN:69720	2.9 114	0 8.7		45	67 4 77 5	2 35	29	34	2f Ok, 550 dBA 27 Check, above 50 dBA	Cur Danaba Swinczur kadari	-15 -1	2 .	-11 -1	11	-1 -1 22 26	3 22	3 5	10 12	15 17 30 33	19 19	20	20	20 21	21	22 23	24	26 26 28 27	19	13 2	4
			2.5 254	0 7.8			72 5 73 3		31		27 Check, above 50 dBA	Car Paniby, 2min excluded	-15 -1		-9 -2	11	4 6	- 5	7 7	12 17	21 24		33		31 25 16 16		23 23	25		20	13 7	4
06-10-2023 3:30 Night 06-10-2023 3:30 Night	NWL5	SVAN 977 SN:69720	3.2 215 1.1 75	0 7.6	77	55	73 3 67 5	2 34	25 24	37	27 Check, above 50 dBA	Feirnal LAmax Car LAmax	-15 -1 -14 -1 -14 -1	9	-7 6	6	3 6	- 6	4 4	8 11	12 13 14 17	21 25	29	32	16 16 30 27	23	20 20		21 20	15	10 2	4
06-10-2023 3:45 Night 06-10-2023 4:00 Night	NAVE.S	SVAN 977 SN:69720	1.1 282	0 7.7	76	57	50 3 69 5	4 33	27	39	24 Check, above 50 dBA	Car Pansby, 3min excluded	-15 -1	t	-7 6	10	5 8	10	7 6	9 13	16 20	23 25	31	35	33 29	25	22 20	20	22 21	14	10 6	4
06-10-2023 4:15 Night 06-10-2023 4:30 Night	NML5 NML5	SVAN 977 SN:69720 SVAN 977 SN:69720	1.8 278 2.2 356	0 7.2	79 77	62 63		9 45 7 49	23 20	44 45	Check, above 50 dBA Check, above 50 dBA	Car Passiby, 4min excluded Car Passiby, 5min excluded	-9 -	4	0 7	13	14 17 13 16	16	15 15 17 13	16 21 16 20	26 29 25 28		37 40		37 34 37 34	29 30	25 21 25 22	19	19 17 16 14	12	8 6	4
05-10-2023 4:45 Night 05-10-2023 5:00 Night 05-10-2023 5:15 Night	NML5 NML5	SVAN 977 SN:69720 SVAN 977 SN:69720	2.9 145 4.0 236	0 6.7	81 80	61 66	72 5 77 6	45	19 26	42	25 Check, above 50 dBA 42 Check, above 50 dBA 50 Check, above 50 dBA	Car Panaby, 3min excluded RTN Dominates	-13 -	1	6 10	13 :	12 13 20 24	19 26	13 15 20 20 29 27	13 17 24 26 37 37	20 Z3 29 32	28 31 35 37	35 41	36 43	35 33 42 37		23 19 31 33	16	14 12 20 17	11	8 6	4
06-10-2023 5:15 Night 06-10-2023 5:30 Night	NML5	SVAN 977 SN:69720 SVAN 977 SN:69720	4.0 12 5.4 38	0 5.9	51 79	71 91	82 6 106 8	7 60 3 55	32 28	50	44 Check, above 50 dBA	RIN Dominates RIN Dominates	-4	2	6 13 5 11	10	26 34 19 22	23 19	29 27 18 17	37 37 18 23	39 42 27 32	41 41 35 41	45	46 42	46 40 55 50	36 57	45 45 51 52	51	28 25 50 54	22 43	18 14	13
06-10-2023 5:30 Night 06-10-2023 5:45 Night 06-10-2023 6:00 Night			3.2 32 2.2 5	0 7.4	80 81	70	97 7 92 6		31	56	46 Check, above 50 dBA 48 Check, above 50 dBA 45 Check, above 50 dBA	RTN Dominates RTN Dominates	-2 -1	3		18 21 2	19 29	21	20 27 24 21		31 35				47 45 46 43	45	52 51 46 38	49	47 43 44 10	32 28	23 12	5
06-10-2023 6:15 Night 06-10-2023 6:30 Night 06-10-2023 6:45 Night	NAVES	SVAN 977 SN:69720	2.5 356	0 7.6	51	77	89 6 82 6 94 7	0 55	42	52	45 Check, above 50 dBA	RTN Dominates	-3	1	7 13	18	22 25	31	25 23 26 25 25 22	22 26 23 27 22 25	29 33 32 36 29 33	35 41	45 46 43	46	45 42 45 44 46 42	40	42 37	38	40 36 23 31 51 45	27	17 8	4
06-10-2023 6:45 Night	NAVES	SVAN 977 SN:69720	0.7 358 0.7 281	0 10.5	53		94 7	1 55	36	57	47 Check, above 50 dBA 44 Check, above 50 dBA 44 Check, above 50 dBA	RTN Dominates	0	1	14 17	19 22	27 26		25 22	22 25		35 33	43	44	48 42	41	51 43		51 45	34	12 7 28 15	7
06-10-2023 7:00 Night 06-10-2023 7:15 Day	NWL5	SVAN 977 SN:69720 SVAN 977 SN:69720	2.9 242 4.3 230	0 10.9	71 65		86 6 101 6	4 54	36 35	58	uneck, above 50 dBA	RTN Dominatos RTN, Smin excluded	-4	1	7 11	16 3	20 27 18 20	26	26 21 19 18	21 25 20 23	30 32 26 30	33 35			42 40 42 43	38 51	.9 35 53 51	34 50	36 36 48 44	33	15 7 24 14	7
06-10-2023 7:30 Day 06-10-2023 7:45 Day	NWLS	SVAN 977 SN:69720 SVAN 977 SN:69720	4.0 163	0 13.5	50 58	73	85 5	S 51		54 47	×	RTN, 4min excluded RTN, 4min excluded	-6	1	4 9	17	20 24 22 24	32 21	23 18 22 19 24 22	19 21 18 21 23 24	24 27 29 28	31 35	39	39	44 41 35 37	44 36	37 36	45 31	46 42 33 32	19	21 11	- 6
05-10-2023 8:00 Day 05-10-2023 8:15 Day		SVAN 977 SN:69720 SVAN 977 SN:69720	3.6 272 6.1 158	0 14.5	52 47	65 72	87 6	3 55	31	49 53	35 35	RTN, 5min excluded RTN, 5min excluded	-3	4	8 14 6 13	16	22 26 20 25	25 30	24 22 32 28			34 37	41	39	39 37	39 42	40 37 45 44	30	37 35 45 45	23	12 7	4 7
05-10-2023 8:30 Day		SVAN 977 SN:69720 SVAN 977 SN:69720	4.0 160	0 15.4	45	85	90 6	1 55	37	53	×	RTN, Smin excluded RTN and Alexaft Noive, Smin excluded	-3	4	9 11	16	19 22	23 32	21 20	20 22	25 29 22 25	31 35	40	41	43 35	42 52	47 41 55 55	42	45 42 51 48	31	21 11	13
05-10-2023 8:45 Day 05-10-2023 9:00 Day	NMI IS	SUAN 977 SN-69770	4.7 161	0 17.9	46	60	73 5		32	46	35	W February Company	-6	3	4 6	12	16 19	15	15 16	15 17	19 23	26 31	35	36	35 35	32	41 35	30	26 23	16	9 7	4
06-10-2023 9:15 Day 06-10-2023 9:30 Day 06-10-2023 9:45 Day 06-10-2023 10:00 Day	NVLS	SVAN 977 SN:69720 SVAN 977 SN:69720	5.4 235	0 192	51	76	83 6 85 6	2 52	33	51	37	Local Vehicle and Machine Noise, 5min excluded	-1	4	9 14	20 3	28 29	22 23 25	25 23	25 34 26 31	29 33	37 37	39	40	39 35	37	35 45	35	27 27	19	14 11	5
06-10-2023 9:45 Day 06-10-2023 10:00 Day	NWL5	SVAN 977 SN:69720 SVAN 977 SN:69720	6.5 112 4.7 91	0 19.5	51 48	59	72 5 71 5	6 51 4 49	34	47 45	37 34	Local Vehicle Noise and RTN, Smin-excluded RTN, 3min excluded	-2 -7	4	9 15	16	21 23	25	25 23 23 17	25 31 18 25	27 30 28	31 33	35	35	37 36 34 34	37	37 33 35 35	28 28	28 26 27 25	16	10 2	4
05-10-2023 10:15 Day 05-10-2023 10:30 Day	NML5 NML5	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	5.0 65 6.1 96	0 21.5	45 45	71 69	87 6 85 6	7 57 2 53	37	54 50	37 36	Local Vehicle Noise, 2min excluded RTN, 5min excluded	-1	4	5 9	14	28 37 19 24	40 27	40 35 25 20	32 34 21 21	31 32 23 27	32 34		36	36 37 36 36	33	40 42 37 37	39	49 49 46 44	35	25 16	7
05-10-2023 10:45 Day 05-10-2023 11:00 Day	NWL5	SVAN 977 SN:69720 SVAN 977 SN:69720	4.3 91 5.4 59	0 21.9	44	65 68	77 6 83 6	0 51	36 35	50 48	33 36	Local Vehicle and Aircraft Noise, Smin excluded RTN and Aircraft Noise, Smin excluded	-5	2	5 10	29 : 14	33 40 18 22	42 31	42 35 27 24	34 34 26 24	30 32 24 27	29 31	34	37	36 36 34 34	37	37 38 34 36	33	34 34 42 43	25 32	15 8 22 11	5
06-10-2023 10:15 Day 06-10-2023 10:15 Day 06-10-2023 10:30 Day 06-10-2023 11:00 Day 06-10-2023 11:15 Day 06-10-2023 11:15 Day	NML5 NML5	SVAN 977 SN:69720 SVAN 977 SN:69720	4.7 67 7.9 160	0 23.3	40 41	61 60	78 5 75 5	49 3 45	34 34	46 44	34 34	RTN and Aircraft Noise, Smin-excluded	- 4	2	3 8	13	16 19 19 24	27	19 18 21 24	34 34 26 24 18 20 23 24	22 24 24 27	28 30 30 32	33 35	34	34 34 33 32 35 33	33 32 31	33 35 31 32	33 29	39 40 33 35	30 25	18 S	5
06-10-2023 11:45 Day 06-10-2023 12:00 Day 06-10-2023 12:15 Day	NMLS	SVAN 977 SN:69720	5.5 221 3.6 276	0 22.9	41	60	75 5 72 5	4 47	32 34	44	36	RTN and Arcraft Noise, 3min excluded PTN and Arcraft Noise, 3min excluded	-5	2	4 5	14 :	20 22	30 25	27 23	22 24	25 26	30 32	34	×	35 34 35 34	32	30 29 30 32	27	30 31 31 32	20	13 8	- 6
06-10-2023 12:15 Day		SVAN 977 SN:69720 SVAN 977 SN:69720	4.7 161	0 22.5	42	50	72 5	5 45	31	44	×	RTN and Aircraft Noise, 3min excluded RTN and Aircraft Noise, 2min excluded Aircraft Noise, 4min excluded	-4	4	8 16	15	19 28	23	22 22			30 33	35	36	35 33	31	30 34	29	31 29	21	13 8	É
06-10-2023 12-30 Day 06-10-2023 12-45 Day 06-10-2023 13:00 Day	NVLS	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	4.0 35	0 22.5 0 24.5 0 24.6	35	60	82 5 73 5	4 45 5 49	30	44	25	RTN and Aircraft Nobe, 3min excluded RTN and Aircraft Nobe, 3min excluded	3	6	9 12	16	19 22	23	31 27 22 22 25 25	26 26 20 23 22 25	26 27 25 26 28 29	29 33	36	36	35 34 35 34 36 37	33 34 36	32 30	25	25 25	19	12 8	6
05-10-2023 13:15 Day	NWLS	SVAN 977 SN:69720	2.2 176	0 255	37	69	85 6	2 52	31	50	34 34	Aircraft Noise, 3min excluded	-2	5	7 11	15	22 27	25	25 22	23 24	28 29	32 35	37	38	35 35	33	35 35	35	45 44	32	20 12	2
06-10-2023 13:30 Day 06-10-2023 13:45 Day	NMI IS	SVAN 977 SN:69720 SVAN 977 SN:69720	5.5 149 2.5 241	0 24.1	37	55 59	79 6 80 6	0 52	31 35	40	38 38	Alecraft Nobe, 4min excluded RTN, 5min excluded	-1	7	15 18	17	24 31 26 26		27 31 24 24	25 28 22 24	31 33 27 28	35 35	40 38	39	40 39 39 35	37	35 34 38 45	31	30 28 33 32	20 25	13 E	5
05-10-2023 14:00 Day 05-10-2023 14:15 Day	NWL5	SVAN 977 SN:69720 SVAN 977 SN:69720	7.2 251 11.9 272	0 25.5	33	59	74 5 74 5	8 50 5 47	34 35	46	37	Aircraft Noise, Smin excluded RTN, 2min excluded	-2	5	7 14	16	23 27 19 24	32 21	28 23	25 23	27 30	33 35	35	36	35 35 35 34	34	32 30	29	30 30	22	15 9	7
05-10-2023 14:30 Day 05-10-2023 14:45 Day	NML5 NML5	SVAN 977 SN:69720 SVAN 977 SN:69720	11.2 221 8.3 241	0 25.4	32 31	52 55	74 5 77 5	7 52 6 52	35	43	37 45	RTN, 5min excluded Aircraft Noise Dominates	-4	5	6 9 8 14	13	18 23 26 31	22 34	20 20 34 31	21 24 33 32	26 28 31 32	32 34 35 37	35 40	39 40	37 35 39 37	34	37 35 35 33	37	42 40 36 35	31 24	22 14 16 5	
05-10-2023 15:00 Day		SVAN 977 SN:69720 SVAN 977 SN:69720	5.8 194 7.6 236	0 25.5	31	73	86 5 79 6	6 50 0 50	35	47 47	37 12	RTN and Arcraft Noise, Smin excluded Sloved Noise. Twin excluded	-3	5	7 12	15	19 28	25	20 21	21 24	26 29	31 34	37	38	37 36	35	33 32	34 29	38 37	25	19 11	5
05-10-2023 15:15 Day 05-10-2023 15:30 Day	NATE	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	7.9 155	0 25.6	29	55 51	79 5	29 51	37	49	20	Aircraft Nobe, Zmin excluded Aircraft Nobe, Smin excluded RTN and Aircraft Nobe, Smin excluded	-2	1	6 11	15	24 26	23		23 28	28 31 29 32	35 40	42	42	40 35	35	34 34	32	31 30	24	17 11	8
05-10-2023 15:45 Day 05-10-2023 16:00 Day	NAVLS	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	8.3 226	0 25.9	29	54 70	82 5 80 5	S 51	38	47	20	RTN. Smin excluded	-2	é	7 10	18 3	22 26	24	25 25	21 24	26 29 31 37	32 35	33	40	39 37 38 36 46 38	35	25 23	31	35 32	20	12 8	5
06-10-2023 16:00 Day 06-10-2023 16:00 Day 06-10-2023 16:10 Day 06-10-2023 16:30 Day 06-10-2023 16:45 Day 06-10-2023 17:00 Day	NAVES	SVAN 977 SN:69720	9.0 207	0 25.5	30	74	88 6	4 53	37	51	37	RTN and Ancraft Noise, Smin excluded RTN and Ancraft Noise, Smin excluded	-2	7	6 11	15	20 31	22	21 20	21 24	27 29	32 36	39	39	41 35	36	42 39	39	45 44	34	24 14	
06-10-2023 17:00 Day	NML5	SVAN 977 SN:69720 SVAN 977 SN:69720	7.2 212 9.4 212	0 25.7	30	82 82	96 7 95 6	7 54	36 36	56	4	Taking Dominates	-3 2 1	1	4 10 15 18	21 :	10 20 24 28	23 31	19 18 34 31	20 24 27 28	28 33 31 33	37 40	43	42	51 45 45 44	47 45	54 45 49 45	50 47	51 45 45 41	30	28 15 20 11	5
06-10-2023 17:15 Day 06-10-2023 17:30 Day 06-10-2023 17:30 Day	NWL5	SVAN 977 SN:69720 SVAN 977 SN:69720	9.7 200	0 24.9	31	50 57	92 5 80 6	6 53 0 52	37 36	52 49	42 44	RTN Dominates RTN Dominates	1 2	6	8 13 12 14	18	21 26 25 28	27 28	24 23 25 25 22 20	24 24 24 25 21 23	27 30 29 33	33 37 36 39	41	42	42 35 42 39	37 37 39	46 35 35 33	41 29	43 41 31 30	30 20	24 13 12 7	5
05-10-2023 18:00 Day	NAVES	SVAN 977 SN:69720	5.8 202 6.5 190	0 23.5	34	76 77	89 5 90 5	5 52 5 50	32 32	50 47	40	RTN Dominates RTN Dominates	-2	1	3 10 1 8	10 1	20 22 22 21	21	22 21	21 22	24 27	32 35 30 33	40 38	42	39 35	34	41 35 39 32	33 34	34 31	22 21	14 E	- 5
05-10-2023 18:15 Evening 05-10-2023 18:30 Evening	NMI 8	SVAN 977 SN:69720 SVAN 977 SN:69720	4.7 195 5.4 199	0 21.9	34	63	101 7 76 6	1 57	33 43	50	42 45	RTN Dominates RTN Dominates	-9 -	4	5 11	15	16 21 22 24	22	18 19 30 24	19 22 22 25	26 29 29 33	33 35	45	47	50 43 45 41	47	58 57 38 30	55 28	55 51 30 21	42 14	33 25 10 2	11
05-10-2023 18:45 Evening	NMLS	SVAN 977 SN:69720	5.6 208 6.6 197	0 20.5	34	59	72 5 75 5	i5 54	38		42	RTN Dominates	-10	4	1 6	14	16 19 33 28	27	17 14 21 19	17 21 20 22	26 30	34 32	43	43	40 35	78	30 31	29	31 22 32 28	16	11 2	- 5
05-10-2023 19:00 Evening 05-10-2023 19:15 Evening 05-10-2023 19:30 Evening 05-10-2023 19:45 Evening	NML5	SVAN 977 SN:69720	6.6 193	0 193	31	61	73 5	7 50	37	46	33	RTN Dominates	-6 -	4	1 7	12 3	20 21	19	20 17	21 21	24 27	31 35		40	38 35		28 33	29	33 25	19	12 7	4
06-10-2023 19:45 Evening	NML5	SVAN 977 SN:69720	9.7 130	0 18.6	37	53	70 5 74 5	9 52	35 32	45	44	RTN Dominates	-0	6	11 15	17 :	25 31	23	1/ 10 25 21	23 25	34 34	35 35	41	41	39 36	32	30 25	33	25 22	15	10 7	4
05-10-2023 20:00 Evening 05-10-2023 20:15 Evening	NML5	SVAN 977 SN:69720 SVAN 977 SN:69720	10.1 81 9.0 77	0 19.1	54 62	62 61		9 50 5 48	38 38	47 46	42	RTN Dominates RTN Dominates	-6 -	4	2 7 -4 1	6	17 24 10 12	13	19 20 17 15	23 26 16 22 20 23	29 32 24 28	34 35 32 34	35		38 36 35 33	34	33 33 33	34 34	35 35 35 35		21 12	- 7
06-10-2023 20:30 Evening 06-10-2023 20:45 Evening 06-10-2023 21:00 Evening	NML5	SVAN 977 SN:69720 SVAN 977 SN:69720	9.4 77 8.3 76	0 18.5	55 59	55 61	72 5 74 5	45	42 41	46 45	37	RTN Dominates RTN Dominates	-10 -	4	1 3	8	11 13 11 13	13	14 16 18 17	20 23 19 23	25 27 25 27	29 31 30 33	33 34	36	34 33 35 34	33	23 23	36 35	36 36 36 36	32 29	24 14	- 8
05-10-2023 21:00 Evening 05-10-2023 21:15 Evening	NML5 NML5	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	7.9 77 9.7 81	0 17.6	72 74	59 58	71 5 73 5	1 45 5 47	37	42 44	34	Car Panity, 2min excluded Car Panity and Ancraft Noise, Smin-excluded	-12 -12 -	4	10 0	9	15 9 12 27	13 25	12 13 22 17	17 20	22 24 26 28	27 29 30 33	32 36	32	31 30 34 32	29 31	31 31 31 29	32 29	34 33 31 30	27 24	19 11	5
05-10-2023 21:30 Evening	NML5 NML5	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	9.4 76 6.5 53	0 16.9	75 76	57 58	68 5 71 5	3 42	32 29	41	29	Car Pansby, 4min excluded Car Pansby, 3min excluded	-12 - -15 -1	7	-3 2 -8 -3	8	10 13 6 0	13	12 14	13 16	19 22 18 20	24 28 22 36	33	35	33 30	27	25 25 24 24	31	26 25 24 23	19	12 7	5 4
06-10-2023 22:00 Evening 06-10-2023 22:15 Might 06-10-2023 22:30 Might	NML5	SVAN 977 SN:69720	6.1 86	0 15.9	77	45	67 4 71 5	7 42	33	40	Of Charles shows \$0.40°	Car Passiby, 2min excluded	-12 -1	0	-7 -3	3	3 5		17 13	16 19	21 22 24 26	24 25	26	26	25 27	27	27 29	30	32 32	25	18 10	5
06-10-2023 22:15 Night 06-10-2023 22:30 Night	NML8	SVAN 977 SN:69720 SVAN 977 SN:69720	9.0 82	0 15.5	79	51 51	73 5	7 45	39 38	46	Check, above 50 dBA Check, above 50 dBA	Car Panalty, John (803000) Car Panalty, Zein excluded	2 -	1	6 13	16	16 19	16	15 15	19 22 18 21	24 26	30 33	35	38	34 32 36 32	31	30 30	32	35 35 34 33	27	19 11	6
05-10-2023 22-45 Night 05-10-2023 23:00 Night 05-10-2023 23:15 Night	NML5	SVAN 977 SN:69720	8.6 78	0 15.5	79	47	66 4	6 43	35 36	40	33 Check, above 50 dBA 33 Ok, 550 dBA 32 Check, above 50 dBA	Lat Fanny, Joseph (SCHOOL)	-12 -1	ò	-7 -3	3	3 5	7	9 12	17 19	21 23	25 26	27	27	27 28	25	25 29	31	33 32	25	15 10	5
05-10-2023 23:30 Night	NMLS	SVAN 977 SN:69720	9.0 69	0 15.4	80	61	72 5	7 44 5 45	36 40	44	35 Check, above 50 dBA	Car Panaby, Tmin excluded	-10 - -11 -	4	-1 5 -4 0	8	8 13	17	17 17	19 21 19 22	23 27 25 28	30 32	35	36	34 34 34 32	32	31 31	33	32 32 35 34	25 28	18 10	5
05-10-2023 23:45 Night 07-10-2023 0:00 Night	NML5 NML5	SVAN 977 SN:69720 SVAN 977 SN:69720	83 62	0 15.2	81 82	55 45	69 4	0 44 7 44	39	42 41	34 Check, above 50 dBA		-11 - -12 -1	0	-5 -1	4 2	7 10 3 5	10	9 13	19 22 18 20 17 20	22 24 22 24	27 30 26 27	32 28	28	31 30 28 28	30 29	30 30 29 30	32	34 33	27 26	19 11	5
07-10-2023 0:00 Night 07-10-2023 0:15 Night 07-10-2023 0:30 Night	NML5	SVAN 977 SN:69720 SVAN 977 SN:69720	10.4 73 9.7 73	0 15.2	82 87	65 49	79 5 66 4	8 43	36	45 40	33 Ok, 550 dBA 32 Check, above 50 dBA 33 Ok, 550 dBA	Car Panaby, Imin excluded	-12 -	3	3 5	13	13 21 6 K	17	18 17	19 21 17 19	25 30 21 23	23 34	36 27	37	36 34 27 27	32 27	31 30 28 29	31	32 32	25 26	18 10	5
07-10-2023 0:45 Night 07-10-2023 1:00 Night 07-10-2023 1:15 Night	NML5	SVAN 977 SN:69720 SVAN 977 SN:69720	10.4 77	0 15.1	82 83	44	66 4	2 40	34 34	38 40	TO DE SEDIMBA	Car Panaby. Imin excluded	-14 -1	2	7 4	2	2 4 3 6	6	8 12 8 10	15 18 14 18	20 22	24 25	26	25	25 25	25	26 27 25 26	28	30 30 29 28	23	16 8	5 4
07-10-2023 1:15 Night	NML8	SVAN 977 SN:69720	20 74	0 147	83	57 53	71 5 75 6 64 4	0 39	31	46	Check, above 50 dBA	Car Panaby and Aincraft Noise, 3min-excluded	-9 -	3	2 4	1	19 25	22	18 17	19 22	28 28	30 34	38	35	31 29 37 35	32	30 30		29 27	20	13 7	-
07-10-2023 1:30 Night 07-10-2023 1:45 Night	NML8	SVAN 977 SN:69720 SVAN 977 SN:69720	73 79 73	0 14.5	53 54	56	80 5		33 32	30 40	31 Ok, 550 dBA 31 Check, above 50 dBA		-13 -1 -13 -1	1	-/ -4 -7 -3	4	3 16	9	9 11	15 17 15 18	19 21 21 23	25 27	30	22	25 26 31 28		26 27 26 27	25	31 31	23	16 5	5
07-10-2023 2:00 Night 07-10-2023 2:15 Night 07-10-2023 2:30 Night	NML5	SVAN 977 SN:59720 SVAN 977 SN:59720	f.2 73 6.1 70	0 14.1	84 85	54 62	56 4 72 5	6 41	30	23 42	23 Check, above 50 dBA 33 Check, above 50 dBA 25 Ok 550 dBA	Car Pansby, Liferius excluded Car Pansby, 2min excluded	-14 -1 -12 -	4	-1 -1 -1 2	8 .	16 17	15	6 7 18 14	10 13 15 18	15 17 24 25	19 25	23 36	36	21 20 34 31	20	20 21 25 23	22	24 23 24 23	17	11 2	4
07-10-2023 2:30 Night 07-10-2023 2:45 Night	NML5 NML5	SVAN 977 SN:69720 SVAN 977 SN:69720	6.5 83 6.1 80	0 13.7	85 85	45 42	67 3 61 3	H 33	29 28	31	25 Ok, 550 dBA 24 Ok, 550 dBA		-15 -1 -15 -1	4	-7 -5 -8 -6	2	4 7	6	4 6	10 12 8 11	14 16	17 18 17 17	18	18	18 19 17 18	19	19 20 15 19	22	24 23 23 22	17	11 7 10 7	4
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End Time Time	Location Logger	Mine Weather Data	B - E	Raw 15-minute 3	Statistical Data	I	Logsum L/leg15min to	to Linex Requires Further	Comments (dominantholeworthy sources).	Raw LAso, tSmir	1.0 Spedrum		. I was I was		Tana Tana Tana				Terry Terry				
Penod		(kmhr) Direction (mm)	(oC) (%)	LATEX LATES	CAI DATO	Date Date	Logsum LAeq15min to LAeq 9530 Hz (incl +1.5 dB correction)	Kevee		20Hz ZSPtz	31.5PE 40PE	50PZ 63	nu aunu 10	JHZ 125HZ 160HZ	200HZ 250HZ 315	12 40010 5001	12 630H2 600H2 16	1.25472 1.6670	28/12 2.5	anz J. Isknz k	KP1Z SKP1Z 6.34	PZ 18872 10872 12.54	nz toenz
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07-10-2023 3:00 Reght	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	5.4 95 (0 13.6 83 0 13.3 80	3 57 6 3 46 6	19 54 3 51 44 4	6 29 4 10 33 3 12 36 3	38	7 Check, above 50 dBA 10 Ok, 550 dBA 12 Ok, 550 dBA	Car Patidy, Intin exclused	-15 - -14 -	11 -7	4 2	0 2	4 6 1	14 17	18 21 19 21		35 32 2 25 25 2	24	25 26	22 23 28 30	23 16 11 30 23 15	8 3
07-10-2023 3:30 Night 07-10-2023 3:45 Night	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	5.8 95 0 5.8 90 0	0 13.1 76 0 13.1 72	45 6	54 44 4 54 45 4 56 4	2 36 2	39 3 40 3	12 Ck, 550 dBA 12 Ck, 550 dBA 12 Check, above 50 dBA		-13 -	10 -6	2 5	2 4	6 8 1	16 18 17 19	20 Z2 21 Z3 24 Z6	24 25 26 25 26 27 30 32 35	26 26 2 27 27 2 35 34 3	7 27	27 28 28 29	30 32 31 33 31 33	31 25 17 32 26 18	10 5
07-10-2023 4:00 Night 07-10-2023 4:15 Night	NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720	5.4 94 0 6.1 81 0	0 12.8 72 0 12.9 71	50 7	0 54 3	36 4	43 40	Check, above 50 dBA	Car Pansby, 2min excluded Car Pansby, 4min excluded	-12	2 7 -7 3	9 11	16 15	15 15 1: 18 14 1	18 21 13 18	24 26 21 26	28 29 33	34 32 3	25	29 29 25 24 23 20	31 33 25 27	32 26 18 26 19 12	7 4
07-10-2023 4:30 Night 07-10-2023 4:45 Night	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	5.4 80 0 5.4 72 0	0 13 70	56 6	10 53 4 18 52 3	24 4 12 24 3	41 36	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	Car Panaby, Smin excluded Car Panaby, Smin excluded	-14 - -15 -	11 -6	-1 7	16 12	9 6	9 14	19 23	26 31 35 24 27 31	36 34 3 30 28 2			17 18	19 13 9 17 12 9	6 4
07-10-2023 5:00 Night 07-10-2023 5:15 Night	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	4.0 75 0 2.5 95 0	0 12.5 73		14 59 5 11 63 5	4 29 5 6 30 5	50		Car Passiby, Smin excluded Car Passiby, Smin excluded	-10	4 1	3 9	12 16	18 16 1	14 19	25 25 23 25		30 28 2 43 42 3 42 43 3	7 32 8 32	45 45	24 22 32 29	21 18 10 28 24 19	9 5
		3.6 85 0	0 11.5 78	63 3	11 63 5 7 57 4 6 58 5	9 31 4	45 47	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	Car Paniby, 2min excluded Car Paniby, 5min excluded	-9	4 0	2 8	10 12	15 14 13	14 15	22 24	34 37 43 28 31 36	42 43 3 38 37 3 38 36 3	31	29 28	27 32	32 21 12 30 29 17	7 4
07-10-2023 6:00 Night	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	4.7 85 0	0 12.3 78	70 8	10 50 5	4 33 :	50	Check, above 50 dBA	RTN Dominatos	-10	-5 0	5 10	14 17	19 19 1:	15 22	25 29	23 38 43 36 40 44	44 42 4	39	31 31	27 30	30 21 11	6 4
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07-10-2023 6:45 Night 07-10-2023 7:00 Night	NML8 SVAN 977 SN:69720	9.7 105 0	0 15.7 70 0 16.3 65	70 8	14 50 5	4 42 5	51	Check, above 50 dBA Check, above 50 dBA	RTN Dominates	4	4 9	13 19	20 22 19 21	23 24 2 20 26 1	22 25	28 32 28 31		42 40 4		35 35	37 43	43 34 25	15 9
07-10-2023 7:30 Day	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	11.9 105	0 16.9 65	79 8	19 62 5 12 62 5	8 47 5	56	8	Wind Notice Dominates Wind Notice Dominates	5	5 9	16 18 15 18	21 22	26 27 Z 24 25 2	29 31	32 36 35 37	37 40 42 39 41 44	43 42 4 45 44 4	43	43 47 43 43	43 45 45 47	46 38 31 47 41 34	24 17
07-10-2023 7:45 Day 07-10-2023 8:00 Day	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	14.0 107 0 12.2 108 0	0 17.2 64 0 17.8 61	65 5	14 59 5 11 58 5	6 49 5 6 49 5	53	4	Wind Noise Dominates Wind Noise Dominates	-3 -2	2 5	9 13	16 18	19 21 Z 20 21 Z	27 30	32 34 32 34	36 39 42 36 38 41	43 42 4 42 41 4	1 40		43 45 43 45	45 38 31 46 39 32	21 13
07-10-2023 8:15 Day 07-10-2023 8:30 Day	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	14.0 117 0	0 18 61	75 8	17 58 5 10 57 5	7 47 5 9 49 5	56 4	9 8	Wind Noise Dominates Wind Noise Dominates	-1	7 6	10 16 18 20	20 21 34 36	27 23 2 26 31 3	29 31 30 32	33 37 36 35	39 42 44	45 45 4 44 43 4	44	43 43	43 45 45 51	45 39 31 51 42 34	21 14
07-10-2023 8:45 Day 07-10-2023 9:00 Day	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	13.0 101 0	0 18.7 58	5 65 6	11 62 5 10 60 5	8 51 5 6 47 5	55	4	Wind Noise Dominates Wind Noise Dominates	-3	4 9	9 13	19 23	24 24 2				45 44 4 43 42 4	43	42 43	45 47 43 46	45 41 33 45 39 30	23 16
			0 19.5 55	5 67 8	11 62 5	8 50 5	55	4	Wind Noise Dominates	-2	2 6	10 14	17 26	26 28 2		32 34 34 35	36 39 41 36 39 42	43 43 4	2 41	42 43	44 45	45 40 32	23 15
07-10-2023 9:30 Day 07-10-2023 9:45 Day 07-10-2023 10:00 Day	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	14.8 107 0	0 19.5 54 0 19.8 53 0 20 52	74 5	12 59 5 19 68 6 17 63 5	7 49	57	8	Wind Noise Dominates	-1	3 8	12 15	19 25	28 32 2 29 26 2 26 23 2	29 31	33 35 33 35 32 34	30 39 42 37 39 42 37 40 42 37 39 41	43 42 4 43 43 4	41	43 45	43 46 45 51 44 48	53 42 33 46 40 32	24 17
07-10-2023 10:00 Cay	NALS SVAN 977 SN:59720 NALS SVAN 977 SN:59720 NAS R SVAN 977 SN:59720	13.0 111 0	0 20.5 51 0 20.6 51	69	13 63 5 16 65 5	7 44	4	4	Wind Noise Dominates	-2	2 6	10 14 11 14	18 24	22 24 2	28 31 29 31 28 30 27 30 27 29	32 34 31 34	37 39 42 35 37 40	43 42 4 41 41 4	41	41 42 41 42	43 47 43 48	47 40 32	22 15
07-10-2023 10-45 Day	MARIE SUAN 977 SN-69720	13.0 74 6	0 20.7 50	72 8 54 7	T 58 F	46 :	51	15	Wind Notes Dominates	4	2 8	11 15	25 29					42 41 4			40 42	49 39 31 42 36 28	19 12
07-10-2023 11:00 Day 07-10-2023 11:15 Day	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	11.5 89 0 11.9 107 0	0 21.4 45 0 20.9 49	5 62 7 61 8	6 50 5 13 58 5 7 59 5	5 47 5 6 44 5	53	0	Wind Noise, Smin excluded Wind Noise Dominates	-1 -2	1 5	11 15 10 13	18 22 17 22	22 23 2 21 22 Z	27 30 27 29	32 34 31 33	36 38 41 36 38 40 35 38 40	42 42 4 41 41 4	40 40 39	40 41 40 40	42 45 42 44	45 39 31 44 38 30	21 14
	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720		0 21 49	61 7	7 59 5 9 59 5 3 58 5	5 44 5 7 47 5	52	14	Wind Notes Dominates Wind Notes Dominates	-3 -2	2 7	8 12 12 15	16 19 18 23	20 21 Z 23 22 Z		31 33	35 38 40 36 39 42			39 40 40 41	41 44	44 38 30 45 39 31	20 13 22 14
			0 21.9 47 0 21.3 48	60 3	14 54 5	4 45 5 6 46 5	51	11	Wind Noise, Smin excluded Wind Noise Dominates	-3	0 7	12 14	25 25 36 31	21 23 Z 38 34 Z	26 28 32 33	32 34 30 32 36 36	36 39 42 35 37 40 38 40 41	41 40 4 42 42 4	39	39 39 41 41		43 37 29 44 38 30	19 12 20 13
07-10-2023 12:30 Dwy 07-10-2023 12:45 Dwy	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	12.6 94 0 10.8 93 0	0 20.5 51 0 20.6 51	61 7 72 8	72 57 5 86 65 5	4 45 5	51	5	Wind and Alecraft Noise, Smin-excluded Wind Noise Dominates	-3	0 4	5 12 10 13	24 26 17 19		26 28 27 29	30 32	35 37 40 36 38 40	41 40 3 41 41 4	35	39 39 41 42	41 43 43 48	43 37 29 49 41 32	19 12 22 15
07-10-2023 13:00 Day	NML8 SVAN 977 SN:69720	11.5 88 0	0 21.3 49	61 1	5 58 5 6 57 5	5 47 5	52	2	Wind Noise, Smin excluded Wind Noise, Smin excluded	-4	2 5	9 14	18 22	27 22 Z 23 21 Z	26 29	31 33	35 38 41 34 W 39	42 41 4	39	39 40	41 44 40 43	44 38 30	20 13
	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	12.2 89 0	0 21.5 40 0 21.8 47 0 22.5 45	63 6	11 58 5	43	52	3	Wind Note Dominates Wind Note Dominates Wind and Aircraft Note, Smin excluded	- 4	0 6	11 22	21 21	25 24 2		31 33 31 32	36 38 40 35 36 39	40 39 3 41 40 4 40 40 3	39	30 40 37 37	41 44	44 38 30	21 14
07-10-2023 14:00 Day	NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720	11.5 87 0	0 22.5 45 0 22.7 44 0 22.4 44	59 3	9 58 5 6 57 5	2 43 5	50	10	Wind and Alexaft Nobe, Smin excluded Wind Nobe, Smin excluded		1 6	10 14	18 20	24 21 2	26 28 23 26	28 30	35 36 39 33 35 38	39 38 3	7 36	37 37 38	39 41 39 42	43 35 26	16 9
07-10-2023 14:30 Day	NML8 SVAN 977 SN:69720	13.0 78 0	0 21.6 46		H 57 5	4 43 5 2 41 4	50 49	10	Wind Noise, Smin excluded Wind Noise, Smin excluded	-4 -2	3 4 2 7	8 13 11 15	16 21 18 21	21 20 2 23 21 2	24 27 22 25	28 30 29 32 28 30		39 38 3 41 39 3	7 36	35 39	40 43 37 41	43 36 27 40 33 25	17 10 15 9
07-10-2023 14:45 Day 07-10-2023 15:00 Day	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	11.9 85 0 12.6 84	0 22.5 42 0 22.1 45	54 S	12 60 5 10 60 5	6 44 5 4 42 5	52	10	Alteraft Notes Dominates Wind Notes, Smin excluded	-1	9 13 4 9	19 21 14 16	27 26 18 20	27 32 Z 21 21 2		31 34 29 32 28 30	36 38 41 34 37 41	42 42 4 41 41 4	2 41 1 35	41 40 39 40	42 44 40 45	44 37 29 45 37 28	19 12 16 11
07-10-2023 15:30 Day	NAME AS STUDIED FOR PORTED TO	10.4 81 6	0 22.5 42	51 51 7 4 72 8	5 57 5	2 40 4	49 50	17	Wind and Alecraft Noise, Smin-excluded Wind and Alecraft Noise, Smin-excluded	-7	-2 2	7 10	14 15	22 33 11 18 19 2	24 27	20 30	32 34 36 33 35 38		7 36	36 37 37 38	39 41 41 42	41 34 26 41 35 27	15 9
07-10-2023 15:45 Day 07-10-2023 16:00 Day	NMLS SVAN 977 SN:59720 NMLS SVAN 977 SN:59720	10.8 73 0 10.8 79 0	0 21.9 44 0 22.5 42	65 7 64 7	6 57 5 8 58 5	5 44 5 5 45 5	51 51	10	Wind Noise, Smin excluded RTN and Wind Noise, Smin excluded	-2 -1	5 10	9 13 23 17	17 18 20 25	18 20 Z 23 24 Z	25 28 26 28	30 32 30 33	34 35 39 36 38 41	40 39 3 42 41 4	39	39 41 39 39	41 43 40 42	43 37 29 42 36 26	19 12
07-10-2023 16:15 Day	NML8 SVAN 977 SN:69720	11.5 86 6	0 22.1 45	5 69 8	5 61 5	44 5	53	6	RTN Dominates RTN and Wind Noise, 5min excluded	-3	2 8	12 23	20 27	27 28 2	26 29	31 34	37 39 42 36 38 40	43 43 4	1 40	40 40	41 44	44 35 25	15 11
	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720		0 21.7 47	63 7	7 58 5 6 58 5	2 41	51	11	RTN, Smin excluded DTN and discrett Notice Smin excluded	-4	-1 3	8 12 21 25	19 19	19 22 Z	25 28 23 25	30 32 27 31	35 38 41 33 36 39	43 42 4 41 45 4	40	39 39	40 42 36 37	42 36 28 37 30 22	15 11
07-10-2023 17:15 Day 07-10-2023 17:30 Day	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	9.7 87 6	0 204 50	50 1	55 58 5 77 61 5	5 45 5	52	9	RIN Dominates	-3	1 6	10 13	15 25	26 22 2	26 29 28 31	31 33 34 37	35 37 41 39 42 44 37 39 41	42 41 4	40	43 43	42 44	43 37 29 45 39 32	19 12
07-10-2023 17-45 Day	NML8 SVAN 977 SN-69720	13.7 77 0	0 18.9 61	60 1		6 46 5	53	4	RIN Dominates	0	2 6	11 16	20 21	22 23 2	28 31	33 34	37 39 41	42 42 4	41	41 42	43 45	45 39 31	21 14
07-10-2023 18:00 Day 07-10-2023 18:15 Evening	NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720	15.1 80	0 18.1 65 0 17.5 68 0 17.1 70	69 8	10 60 5 10 59 5	3 45	5)	15	RTN Dominates	-1	1 5	9 13	18 19	29 28 2	27 30 31 34	31 34 32 34 36 37	36 39 42 36 39 41 43	43 42 4 44 42 4 44 44 4	41	35 35 40 40	42 44 44 46	41 35 27 44 38 30	20 13
07-10-2023 18:30 Evening 07-10-2023 18:45 Evening 07-10-2023 19:00 Evening	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	15.1 75 4	0 16.8 71 0 16.5 73	58 7	5 56 5	4 47 5 3 46	31	14	RTN Dominates	-3	0 4	5 13	17 23	30 32 2 32 22 Z	26 30	31 33 31 34		41 40 3 42 41 4		35 39 36 39		45 38 38 42 38 28	19 12
07-10-2023 19:15 Evening	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	12.2 81 0	0 16.1 76	5 63 7		3 44 5	20	2	RTN Dominates	-3 -4	2 2	6 10	13 26	18 20 2			34 37 40	40 38 3	37	37 37	39 41	42 36 26 41 35 27	15 11
07-10-2023 19:30 Evening 07-10-2023 19:45 Evening	NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720	11.9 80 0 12.6 79 0	0 15.9 77 0 15.6 76	58 7	5 56 5 4 55 5 6 59 5	11 42 4 2 45 4	42	11	RTN Dominates RTN Dominates	-5	-3 1 -2 2	4 12 6 11	14 13 15 18	15 17 1 19 15 2 17 19 2		28 30 29 31 30 33	32 34 36 33 36 39 35 37 40	37 36 3 39 38 3 41 39 3	7 36	35 36 36 37 38 38	35 40 35 40	39 33 26 40 34 26	15 10
07-10-2023 20:15 Evening	NML8 SVAN 977 SN:69720	12.5 81 0	0 15.7 78 0 15.5 78 0 15.4 78	61 3 61 3	6 59 5 2 57 5 1 56 5	4 41 1 3 43 1	50	11	RTN Dominates RTN Dominates	-2 -3	-1 2	6 10 6 10	12 15 12 14	17 19 2 16 18 2	25 28 25 28	30 33 30 32 30 32	35 37 40 34 36 38	41 39 3 40 39 3	35 37	35 35 37 37	40 42 39 41 39 42	42 36 28 41 35 27	19 12 18 11
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07-10-2023 21:00 Evening 07-10-2023 21:15 Evening	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	13.0 78 0 14.0 78 0	0 15.1 79 0 15.1 78	63 7	5 59 5 4 60 5	6 50 5	52	3	RTN Dominates RTN Dominates	- 1	1 4	7 11	16 19	20 22 2		34 36	35 40 42	43 43 4	2 42	41 42	44 46 42 44	46 40 32 44 38 30	22 15
07-10-2023 21:30 Evening 07-10-2023 21:45 Evening	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	12.6 77 0	0 14.9 78	63 7	14 50 5 16 58 5	5 45 5 7 49	31	13	RTN Dominates Wind Note Dominates	-1	1 5	7 12	17 24	17 20 Z 18 21 Z 19 22 2	27 29	31 33	35 37 38 35 37 40 37 39 41	41 40 3	2 42	39 40 39 39 42 42	41 43 44 46	43 37 29 46 40 32	19 12
07-10-2023 22:00 Evening 07-10-2023 22:15 MeM	NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720	14.5 50 0 13.0 74 0	0 14.5 78 0 14.7 78 0 14.6 78	62 1 62 1	6 61 5 3 56 5 1 55 5	3 45 5	50	1 Check, above 50 dBA	Wind Noise Dominates Word Noise Dominates	-3	-1 3	6 11	15 18 13 27	22 19 Z	30 32 26 29 25 28	34 36 31 33 30 32	37 39 41 35 37 39 34 36 37	42 42 4 39 39 3 38 38 3	35	35 35 37 35	44 46 40 42 39 41	42 36 28 41 35 27	15 11
07-10-2023 22:30 Night	NML8 SVAN 977 SN:59720 NML8 SVAN 977 SN:59720 NML8 SVAN 977 SN:59720 NML8 SVAN 977 SN:59720	11.5 72 0	0 14.4 78 0 14.2 79	54 1	7 57 5	11 42 4	45	Check, above 50 dBA	Wind Noise Dominates	-6	4 0	4 8	10 12	14 15 1	22 25	27 30	32 35 39	39 37 3	34	34 35	37 39	38 32 24	15 8
07-10-2023 23:00 Night	NML8 SVAN 977 SN:69720	13.7 75	0 14.1 79	64	10 56 5 15 57 4	19 42 4	47	I Check, above 50 dBA Check, above 50 dBA	Wind Noise Dominates Wind Noise Dominates	-6	9 1	5 9	12 15	18 22 2 16 17 1	23 25	30 31 28 30		37 36 3	35	35 36 34 34	36 38	40 33 25 38 32 24	15 8
07-10-2023 23:30 Night	NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720	13.0 76 (11.2 80 (0 13.9 80 0 13.7 80 0 13.5 81	53 6	74 54 5 19 51 4 11 53 4	11 45 4 19 43 4	47	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	Wind Noise Dominates	-6	-3 0	3 8	8 10	13 15 1	25 27 23 25	29 31 27 29 26 28	33 34 35 31 33 34 30 33 35	36 36 3 34 34 3 34 34 3	34	34 35	39 41 37 39 34 36	39 33 25	15 9
08-10-2023 0:00 Night	NML8 SVAN 977 SN:69720	97 67 0 11.2 82 0	0 13.3 52			9 35	45	Check, above 50 dBA	Car Panaby, 4min excluded	-9	4 2	2 9	10 18	21 19 1	20 23			35 34 3	H	32 32	34 36	35 29 21	12 7
05-10-2023 0:15 Night 05-10-2023 0:30 Night	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	9.7 79 6 8.6 78	0 13.2 82 0 13.1 82	2 45 6	19 54 4 13 46 4	11 33 :	43	4 Check, above 50 dBA 12 Ok, 550 dBA 10 Ok, 550 dBA	Car Paniby, 2min excluded	-11	4 4	4 4	8 10	11 12 1- 6 8 1	16 19		28 30 33 24 26 26	34 33 3 26 26 2		29 30 25 27	31 33 29 31	33 26 18 30 24 17	10 5
05-10-2023 0:45 Night 05-10-2023 1:00 Night	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	7.2 76 0 7.9 80 0	0 13 83 0 12.6 83	3 43 6 3 65 7	51 42 3 77 54 3 70 53 4	19 32 : 19 33 ·	36	Check, above 50 dBA	Car Pansby, Tmin excluded	-14 - -13 -	12 -9 11 -7	-3 3	0 2 4 6	4 6 1 7 8 1	14 17	18 20 20 24	22 24 24 25 32 37 26 30 32	24 24 2 35 32 2 32 31 3	24	24 25	27 29 27 29	28 22 14 28 21 14	5 4 5 4
05-10-2023 1:15 Night 05-10-2023 1:30 Night	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	7.9 82 0 7.9 77	0 12.7 54 0 12.6 54	58 7	TO 53 4	11 36 4	41 40	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	Car Panaby, Tmin excluded Car Panaby, Tmin excluded	-11	4 -3 10 -7	3 10	11 12	15 16 1- 7 9 1	17 20 16 19	25 26 22 24	26 30 32 26 28 31	32 31 3 31 25 2	29	27 27	29 30 29 31	30 23 16 30 24 16	8 5
06-10-2023 1:45 Night 06-10-2023 2:00 Nimbs	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN-69720	7.9 80 6 6.5 88 4	0 12.6 84 0 12.6 84	61 7	72 55 4 19 50 3	36 4	43	Check, above 50 dBA Check, above 50 dBA	Car Panaby, 2min excluded Car Panaby, Lifmax excluded	-5	3 1	7 12 0 6	26 29 6 7	17 17 18 6 7 1	18 21 13 16	25 26 18 20	29 31 33 22 25 29	34 33 3 31 28 2	30	29 29 23 24	31 33 25 27	32 25 18 26 20 13	9 5
06-10-2023 2:15 Night 06-10-2023 2:30 Ni-H	NMLS SVAN 977 SN:59720 NMLS SVAN 977 SN:59720 NMLS SVAN 977 SN:59720	4.7 95 0 4.3 91	0 12.2 86 0 12.1 87	38 6	4 37 2	is 29 :	32	Check, above 50 dBA 77 Ok, s50 dBA 77 Check, above 50 dBA	Car Panaby 2min excluded	-15 - -14 -	13 -8	-5 2	-2 -1	2 4	11 14	16 17	19 20 21	19 20 2 32 30 2	21 25	20 21 22	25 27 22 24 23 25	23 17 11	7 4
08-10-2023 2:45 Night	NMLB SUAN 977 SN:59720 NMLB SVAN 977 SN:59720 NMLB SVAN 977 SN:59720 NMLB SVAN 977 SN:59720	5.4 90 4	0 12.1 87 0 12.1 87	42 5	55 53 3 17 39 3 12 37 3	17 29 :	34 3	15 Ok, 550 dBA 15 Ok, 550 dBA		-15	12 -9	3 0	1 8	3 6	12 15	17 19	22 27 31 21 22 23 17 99 20	22 22 2	4 23 1 21	22 23	23 25 25 26 21 23	26 19 12 22 16 10	7 4
06-10-2023 3:15 Night	NML8 SVAN 977 SN 69720	43 71 1	0 12.1 87	115 12	19 33 3	10 22 1	86	Check, above 50 dBA	Microphone knocked - Exclude	16	20 25	31 34	39 43	45 47 4	50 53		61 63 66	67 69 7	73	79 74	74 77	74 74 72	71 71
06-10-2023 3:30 Pegra	NNL8 5VAN 977 5N159720	72 77	0 12.4 86 0 12.3 86		1 34 3 3 56 3	15 21 4	42	2 Ok, 550 dBA 4 Check, above 50 dBA	Aircraft Nobe, 2min excluded	-14	5 4	1 3	10 22	12 11 1	14 23		13 16 15 31 31 34		1 18	16 16 24 21	17 19 20 20	10 13 9	5 4
08-10-2023 4:00 Night 08-10-2023 4:15 Night	NMLB SVAN 977 SN:99720 NMLB SVAN 977 SN:99720	6.1 82 0 6.1 77 0	0 12.2 86 0 12.2 86	5 43 5 5 55 6	19 38 3 18 49 3	15 25 :			Car Panoby, LAmax excluded	-16 - -15 -	14 -12 14 -10	-5 1 -6 0	3 -1	2 3 5 5	11 13 11 14	15 17 17 19	18 20 21 21 25 29	20 21 Z 30 27 2	23	21 22 22 22	23 25 24 26 21 22	24 18 12 25 19 12	7 4
08-10-2023 4:30 Night 08-10-2023 4:45 Night	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	5.1 81 0 5.8 73 0	0 12.1 87 0 12 87	61 7	2 54 3	6 25 :	38 40	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	Car Paroby, 4min excluded Car Paroby, 3min excluded	-15 - -13 -	12 -8 12 -8	-3 4 -4 11	9 7	13 8 5 8 6	12 14 6 11	17 20 14 18	23 28 32 22 29 35	32 30 2 35 32 2	7 24 5 23	20 17	17 16	21 15 10 16 12 9	7 4 6 4
06-10-2023 5:00 Night 06-10-2023 5:15 Night	NML6 SVAN 977 SN:69720 NML6 SVAN 977 SN:69720	5.1 78 0 4.7 82 0	0 11.9 87 0 11.7 88		7 62 5 8 63 5	5 24 5 5 29 5	50 2	4 Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	Birds, LAmax excluded Car Passiby, 2min excluded	-16 - -11	15 -13 -6 -2	2 9	9 11	0 1 1	6 10 11 17		25 32 39	35 32 2 42 43 3 41 41 3	25	45 43 45 45		21 24 13 28 26 16	7 4 9 5
08-10-2023 5:30 Pegrs	NMI R SUAN 977 SN 69720	58 76 6	0 11.7 89 0 11.7 89	60 1	2 56 4 3 57 4	8 31 ·	43	Check, above 50 dBA Check, above 50 dBA	Car Panaby, 2min excluded RTN Domination	-15 - -13	12 -8 -9 -5	-4 3 0 7	2 6	7 7 1	12 16		23 27 32 26 33 36	35 34 3 39 37 3	29	26 26 26 31	28 30 25 27	30 20 12 27 19 14	7 4
08-10-2023 5:00 Night	NMLS SVAN 977 SN:59720 NMLS SVAN 977 SN:59720 NMLS SVAN 977 SN:59720 NMLS SVAN 977 SN:59720	4.0 99 1	0 12 87	68 8	13 60 5 17 62 5	4 36	49	If Check, above 50 dBA 4 Check, above 50 dBA	ETN Dominates	-7	2 2	7 11	15 17	17 19 15	18 22	25 29 29 32	23 38 43 26 29 44	42 40 3	34	34 35	32 40 37 40	37 29 18 39 29 30	10 5
08-10-2023 6:30 Nght	NML8 SVAN 977 SN:69720	5.8 85 G	0 13.1 82 0 14.1 77	75 8	19 59 5 10 58 5	3 41 1 4 44	St.	Check, above 50 dBA	RTN Dominatos	-6	4 0	5 10	16 17	21 17 1	21 24	27 29		42 43 4		43 35		39 32 23	13 7
05-10-2023 5:45 Night 05-10-2023 7:00 Night 05-10-2023 7:15 Day	NMLS SVAN 977 SN:59720 NMLS SVAN 977 SN:59720 NMLS SVAN 977 SN:59720	2.4 72 0 8.6 88 0	0 15 74		10 58 5 12 70 6 16 65 5	44 5 0 45	50	Check, above 50 dBA Check, above 50 dBA	KIN LOTERADOS Wind Noise Dominates	-5	4 2 3 6	6 12 10 13	14 21	10 18 2 20 22 2	25 31	29 31 33 35	34 35 40 35 40 44 35 40 43	40 41 4 45 52 5	35 45 50	37 38 49 45	.99 41 47 49	41 35 27 49 41 32	1/ 10 22 15
08-10-2023 7:15 Day 08-10-2023 7:30 Day	NML6 SVAN 977 SN:69720 NML6 SVAN 977 SN:69720	11.2 96 0 11.5 93 0	0 15.4 71 0 15.6 69	54 S	65 5 10 54 5	49 52	57	ii e	Wind Noise Dominates	4	4 7 6 8	10 13 11 15	15 18	20 22 2 21 24 2	29 32 31 34	34 36 36 38	40 41 41	44 45 4	7 46	47 45	47 48 47 50	1/ 40 32 50 43 35	23 16 25 18
08-10-2023 7:45 Day 08-10-2023 8:00 Day	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	12.2 84 0 11.5 90 0	0 16.4 66	75 8	60 64 5 11 62 5 17 66 6		57	a 17	Wind Notes Dominates Wind Notes Dominates	3	6 10 6 9	14 17 12 17	19 21 19 21	23 26 2 25 25 2	31 34 33 35 31 33	36 38 37 39 35 37	41 42 44 39 41 44	46 46 4 45 44 4	45	45 46 44 45	47 50 47 50	50 44 36 51 43 35	25 19 25 17
08-10-2023 8:15 Day 08-10-2023 8:30 Day	NMLB SVAN 977 SN:59720 NMLB SVAN 977 SN:59720 NMLB SVAN 977 SN:59720 NMLB SVAN 977 SN:59720	15.1 83 6 13.3 85 6	0 17.2 61 0 17.7 60		19 59 5	7 50 5 8 49 5	54	4	Wind Notes Dominates Wind Notes Dominates	1	3 7 4 7	10 14 11 15	17 19 19 21	20 22 2 21 24 2	29 32 29 32	33 36 34 36	38 40 43	44 43 4 43 43 4	42	42 42	44 46 44 47	46 40 32	22 15 23 16
08-10-2023 5:45 Day 08-10-2023 9:00 Day	NML6 SVAN 977 SN:69720 NML6 SVAN 977 SN:69720	11.2 82 0 12.6 103 0	0 18.4 58 0 18.5 56	71 5 62 1	18 56 5 14 59 5	9 51 5 5 46 5	57	14	Wind Note Dominates Wind Note Dominates	0	5 8 3 7	12 31 12 16	29 24 19 21	26 28 2 23 23 2	31 33 28 30	35 37 33 35	40 42 44 37 39 41	45 45 4 42 42 4	44	44 45 40 41	46 51 42 45	51 43 35 45 38 30	25 17 20 13
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End Time	Time Period	Location Logger	Mine Weath Wind Speed	er Data Wind Ra	intali Temp	Raw 15 Humidity LAmax	LAImax EA1	LA10	LAGO LAng	Logsum LAsq15min to LAsq s630 Hz (incl +1.6 dB	a Lmax Requires Further Review	Comments (dominantholeworthy sources).	Rew LAso, 20Hz 2	tinin 1/3 Spect ISHz 31.5Hz	40Hz 5	OHz 63Hz	80Hz 1008	Hz 125Hz 1	160Hz 200Hz 250Hz 315Hz	400Hz 500Hz	630Hz	100Hz 1kHz	1.25891	z 1.5kHz 2kH	2.5kHz 3.1	SkHz WHz	SkHz 6	.3kHz 8kHz	10MHz 12.5kH:	z 16kHz
			(63311)	Director (in		(.4)				conection)	:																			
06-10-2023 9:15 06-10-2023 9:30	Day	NML6 SVAN 977 SN:69720 NML6 SVAN 977 SN:69720	13.2	25	0 18.9	54 6	4 76 0 73	57 5 57 5	4 45 5 4 47 5	4		RTN, Smin excluded RTN and Aincraft Noise, Smin excluded	-4	0 1	5 5	13	16 18 16 20	19 20 25 30	22 26 28 30 23 27 29 31	32 2 33 2	37	41 4 40 4	1 4	1 40	30 30	39 ·	41 43 41 44	43 3 43 7	7 29 19 7 29 11	9 12
08-10-2023 9:45 08-10-2023 10:00	Day	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	13.1	105	0 19.8	52 6 50 7	3 74 5 93	58 5 62 5		4		RTN, Smin excluded RTN Dominates	-2 -1	7 1	10	16 :	21 21	21 24 21 22	25 27 30 31 24 28 30 32	34 2 35 2	38	40 4 41 4	1 4	1 40 2 41	40 39 41 42	41 .	42 44 45 47	44 3 45 4	8 30 20 0 31 22	0 13 2 15
08-10-2023 10:30	Oay	NML6 SVAN 977 SN:69720	12.	101	0 20.7	47 5	2 87 6 80	55 5	3 44 53 3 46 58	4		RTN and Alecraft Noise, Smin-excluded RTN, Smin excluded	-3	1 :	5 15	13		25 29 20 22	23 25 27 29 22 25 27 29	32 3 31 3	35	38 3	0 3	9 35	37 40 39 39		41 47 40 42	47 3 42 3	27 17	7 10
08-10-2023 10:45 08-10-2023 11:00	Dire	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	10.	84	0 21.5	44 6	7 87 5 75	57 5	43 5	4		RTN and Aircraft Noise, Smin excluded RTN, Smin excluded	-3	3	11	24	22 26 20 22	36 29 26 25	29 30 30 31 24 25 27 29	33 2 31 2	37	41 4 38 2	9 3	9 41	40 35 37 37	38 3	40 42 39 42	41 3	27 17 1 27 1	7 15
08-10-2023 11:30	Day	NALS SVAN 977 SN:69720 NALS SVAN 977 SN:69720 NALS SVAN 977 SN:69720	9.	95	0 21.8 0 22.2 0 21.8	40 7	7 83 0 85 0 76	61 5				RTN, Jimin exchaled RTN and result Nobe, Smin excluded	-6	-2	3 9	15	18 24	20 21	21 23 27 28 22 23 26 29	32 2	38	37 37	9 3	5 38	37 37	38	39 45	43 3	3 24 15	5 8
08-10-2023 11:45 08-10-2023 12:00 08-10-2023 12:15		NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	10.	1 82	0 21.8	40 6	0 83	56 5 55 5	35 40 2 39 40 3 36 40	1		RTN, 3min excluded RTN, 5min excluded RTN, 5min excluded	-3	1	5 8	14	16 20 16 19	30 27 22 28 24 22	24 21 23 24 21 23 25 27 20 23 25 27	27 2 29 2 29 2		37 31 37 31	6 3 8 3		34 35 35 35 36 37		33 39 37 39 38 43	39 3	24 15	5 8
08-10-2023 12:30 08-10-2023 12:45	Day	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	13.1	129	0 22.1 0 21.9 0 22.8	37 5	8 71 2 88	54 5	2 37 4: 2 42 4: 2 40 4:	3		RTN, Smin excluded RTN, Smin excluded	-1	3 1	11	11	14 18	19 22 21 23 28 26	19 22 25 27	29 2 30 2 35 2	74	36 3	8 3 9 3	7 36	26 26	35	37 39 38 41 35 37	39 3 40 2	2 24 15 3 25 1	5 9
08-10-2023 13:00 08-10-2023 13:15 08-10-2023 13:30	Day	NALS SVAN 977 SN-69720 NALS SVAN 977 SN-69720 NALS SVAN 977 SN-69720	11.5	104	0 22.8	36 6 38 6	5 75 1 75 0 86	59 5. 55 5.		1 1		RTN and Aincraft Noise, Smin excluded RTN and Aincraft Noise, Smin excluded	-6 -2	2 1	5 11	15	22 28 17 18	28 25 20 28 21 20	29 27 27 32 20 23 26 28	35 2 31 2 32 3	37	40 4 39 4 40 4	0 3		37 35 36 36 38 41	35	35 37 38 40	36 3 40 2	2 22 13 4 26 1	7 10
08-10-2023 13:45	Day	NML8 SVAN 977 SN:69720	12.1	113	0 22.4	36 8	3 26	52 5	3 41 58	3		RTN, 5min excluded RTN, 5min excluded	-6	-3 :	8 8	12	16 17	19 15	23 24 27 27	30 3	35	40 40 39 4	2 4	3 41	44 45	49 -	47 48	43 3	3 27 18 5 26 11	5 11 5 10
05-10-2023 14:00 05-10-2023 14:15	Day	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	10.1	103	0 22.6	36 6 34 6	8 82 8 82	50 5	40 40 5 43 5	1		RTN, Smin excluded RTN and Aircraft Noise, Smin excluded RTN and Aircraft Noise, Smin excluded	-5	-3	2 5	13	20 22	20 22 21 24 28 25	29 27 30 30	29 2 32 2 34 2	35	35 3: 39 4:	0 3	9 38	35 36 38 38	40 -	35 42 41 45	41 3	24 15 5 28 11	5 8
08-10-2023 14:30 08-10-2023 14:45	Day	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	11.3	87	0 22.5 0 23.4 0 23.4 0 22.5	33 6		58 5	4 43 5	4		KTN and Ancraft Notice, Smin excluded RTN and Ancraft Notice, Smin excluded	-1	3	13	17	21 29	26 28	29 27 28 31 29 27 28 31	32 3	37	40 4 40 4	1 4	0 39				42 3	27 17	7 11
08-10-2023 15:15	Ony	NMLS SVAN 977 SN:69720	8.2	3 37	0 22.5	34 6	4 78	59 5	41 5: 4 42 5			RTN and Aircraft Noise, Smin excluded RTN, Smin excluded	4	6	15	23 3	23 26	26 27	25 26 28 31	29 2 34 2	22	42 4	2 4	1 40	39 35	40 ·	39 41	40 3	25 17	5 9
08-10-2023 15:45 08-10-2023 16:00	Day	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	9.	25	0 22.5 0 22.1 0 22.5	35 7 35 7	7 88 0 79 2 85	59 5	3 35 50 3 45 50 1 41 40	4		RTN, Smith excluded RTN and Alccraft Nobs, Smin-excluded	-2	4	1 12	18 21	22 23	25 24 28 31	22 25 26 29 26 26 29 31 25 24 24 27	31 2 34 2 30 2	39	42 43	2 4	1 41	39 41 40 40 35 34	41 -	40 43 39 37	43 3	5 27 17 9 20 1	7 10
08-10-2023 16:15	Day	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	13.3	77	0 22.3	36 8	2 85 6 96 9 92	71 5 72 5		4		RTN, 5min excluded RTN, 5min excluded	-3 -2	3 1	4 8 5 10	13	19 19	19 20 22 22	25 24 24 27 20 24 27 29 19 21 23 26 24 24 28 29		38	40 40 40 40	3 4	5 42 7 42	35 34 45 52 44 52		49 49 50 49	47 3 45 3	8 29 18 6 28 16	5 11 5 5
08-10-2023 16:45 08-10-2023 17:00	Day	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	8 0	5 62	0 22 0 21.5 0 21 0 20.2	38 8 40 7	1 94 9 91 9 90	58 5	3 39 5 4 40 5 5 47 5 5 47 5	1 4		RTN and Aircraft Noise, Smin excluded RTN and Aircraft Noise, Smin excluded	-2 -6	-2	10	15 12 13	18 22 18 27	23 23 28 24 26 29	19 21 23 26 24 24 28 29 22 27 29 31	30 2 32 2 33 2	35	38 40 40 40	0 4	3 40	41 46 43 46 40 42	45 ·	43 44 45 46		2 29 15 8 30 2	9 12 0 13
08-10-2023 17:15 08-10-2023 17:30	Day	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	14.	52 5 46	0 19.5	51 6	9 90 8 84	59 5 50 5	5 47 5 7 50 5	4		RTN and Aircraft Noise, Smin-excluded RTN Dominates	-6 -4	1 1	5 2	13	19 29 18 21	26 29 21 23	24 28 31 33	34 2 35 2	35	40 4 42 4	1 4	2 40 3 42	40 42 42 42	43	44 47	45 3 47 4	4 30 21 2 33 2	1 13
08-10-2023 17:45 08-10-2023 18:00 08-10-2023 18:15	Day	NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720	14.1	60 5 66	0 18.6 0 17.5 0 17.5	61 6 63 5	0 93 1 78	59 5	47 5 48 5 4 45 5	4		KIN Dominates PIN Dominates PIN Dominates	- 6	0		13		23 29 20 29 26 22			40 39	43 4 42 4 40 #	4 4 3 4			46 ·	43 45	50 4 45 3 42 3	41 33 31 2	2 14 1 11
08-10-2023 18:30	Evening	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	13.	73	0 17.1 0 16.7 0 16.2	65 6	9 73 3 74 3 76 1 75	57 5	4 42 5 4 42 5 5 46 5 6 49 5	4		RIN Dominates PIN Dominates	- 5	-2	9	13 14 14 16	18 20	30 28	25 25 26 31 22 24 27 30 24 28 31 33 26 29 32 34	32 2	38	42 4 42 4 42 4	3 4	1 39	38 37 41 41 42 42	37	35 40	40 J	25 10	5 9
08-10-2023 19:00 08-10-2023 19:15	Evening	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	13.1	71	0 15.5	74 6	1 75 4 75	EQ 5	49 5 46 5	4		RIN Dominates RIN Dominates	-1 2 -4	4	11	16 :	25 23	28 25 19 21	26 29 32 34 22 26 29 32	36 2 34 2	40	42 4	3 4	3 43	42 42 39 39	43 -	44 47 41 43	46 4	32 27 6 28 1	3 15
08-10-2023 19:30 08-10-2023 19:45	Evening	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	14.4	4 71 2 70	0 155 0 152		4 75 0 72 1 75		46 5 45 5 48 5	4		RTN Domination RTN Domination	-4 0	-1 :	5 5	13	14 17	19 21 18 20 19 21	25 29 32 34	34 2 34 2 35 2	37	39 4 41 4	1 4	0 40 2 42	42 42	39 - 40 - 42 -	44 46	43 3 46 /	7 29 19 0 32 2	9 12 2 15
		NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	12.1	5 63	0 15	76 6 78 5	8 78 9 71 5 76	58 5 54 5	4 45 5 1 44 4 1 42 4 1 47 4	4		RTN Dominates Wind Noise Dominates	-1 -7	-3	10	14	17 20 12 14	21 22 16 17	23 27 29 31 19 23 26 28 21 23 27 29	33 2 30 2	35	40 4 38 3	1 4	0 40 5 37	39 39 36 35 37 36	35 :	41 43 38 40	43 3 39 3	7 29 15 3 25 15	9 12 5 8
08-10-2023 20:30 08-10-2023 20:45	Evening Evening	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	10.1	5 70 5 66	0 14.5 0 14.4 0 14.2	78 6 79 5	5 68	58 5 53 5	42 40 42 40 40 40	4		Wind Noise Dominates Wind Noise Dominates	-9	4	12	10		21 21 23 28 15 16	21 23 27 29 19 22 25 27	29 3	35	36 3	i5 3	5 35 5 35	34 34	35	36 38	35 3	1 24 14	5 9 4 8
08-10-2023 21:00 08-10-2023 21:15	Evening	MML8 SVAN 977 SN:69720 MML8 SVAN 977 SN:69720	7.	55		79 6 80 5	2 74 4 67	57 5 52 4	40 40 7 40 4	3		Wind Noise Dominates Wind Noise Dominates	-10	7 3	1 1	6	15 11	12 14	18 22 25 27 16 20 23 25	29 3 27 2	34	37 3/ 34 3-	4 3	7 36 3 33	32 32	35 32	37 39 34 36	38 3 35 2	24 15 2 21 1	2 6
08-10-2023 21:45	Evening	NML6 SVAN 977 SN:69720 NML6 SVAN 977 SN:69720 NML6 SVAN 977 SN:69720	9.	63	0 13.9 0 13.9	81 5	4 67 7 69 7 66	54 5	7 40 4- 9 43 4- 1 44 40 2 46 50	- 1		Wind Noise Dominates Wind Noise Dominates	-7	3	8	11	13 15	14 15 16 17	16 20 23 25 18 23 26 28 19 24 27 29 21 25 28 30	30 2 31 2 32 2	35	34 3- 36 3- 37 3- 38 3-	7 3	7 37	2 2 2 2 2 2	37 38	37 39 38 40 39 41	40 3	4 26 16	5 10
08-10-2023 22:00 08-10-2023 22:15 08-10-2023 22:30	Night Night	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	13.	67	0 14	81 6		50 5 51 6	44 5	4	Check, above 50 dBA Check, above 50 dBA	Wind Note: Dominates Wind Note: Dominates Wind Note: Dominates	- 3	4	2 2	13		15 20	21 25 28 31	23 2	38	39 4	0 3	9 35	37 37	37 :	39 41	40 3	4 26 1r	5 9
08-10-2023 22:45 08-10-2023 23:00	Night	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	11.5	5 64	0 13.5 0 13.6 0 13.4	81 5 83 6	7 70 1 73 7 69	54 5	3 42 4: 3 35 4: 3 37 4:	4	Check, above 50 dBA Check, above 50 dBA	Wind Noise Dominates Wind Noise and Car Panely, 3min excluded	-6	4	5	9 12	12 17	17 19 19 18	19 23 26 28 17 19 22 25 16 18 21 24	30 3 28 3 25 2	34	35 39 34 3	6 3	5 36	35 35 33 31 31 29	35	37 39 32 34	39 3 34 7	2 25 17 7 19 1	5 9 7 12
08-10-2023 23:15 08-10-2023 23:30 08-10-2023 23:45	Night Night	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	7.1	5 65		84 5 84 4	7 69 6 65 2 65	52 4 45 4 50 4	3 37 40 2 36 40 5 38 40	3 3	Check, above 50 dBA Ok, 550 dBA Check, above 50 dBA	Car Paniby, Tmin excluded	-12 -13	-10 -4 -11 -3	7 -4	11	2 4	17 15 6 8		25 2 23 2	30	33 3 27 2	1 3 2 2 1 3	2 32 5 29	31 29 28 27 31 30	29 : 25 :	30 32 30 32 32 34	31 2	5 17 S	9 5
			9.7	68 72	0 13.4			40 4	41 4	2		Car Paneby, Tmin excluded Wind Noise Dominates	-11 -10	4 4	5 1 6 0	5	8 10 6 8	9 11	14 18 21 23 16 20 23 25	25 2 27 2	30	32 33	2 3	2 32	32 32	32	34 36	36 2	/ 19 11 3 22 1	2 7
09-10-2023 0:15 09-10-2023 0:30	Night Night	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	93	74	0 13.3	84 5 84 5	5 74 0 64 8 63	46 4 45 4	40 40 39 40	3	Check, above 50 dBA Ok, 550 dBA Ok, 550 dBA	Car Paneby, Tmin excluded Wind Noise Dominates	-11 -10	4 4	9 0	4	4 6 5 7	9 11	14 19 22 24 15 19 22 24	25 2 26 2	29	30 3	0 3	0 31 1 31 6 29	30 30 31 31 28 28	31 3	32 34 33 35 30 32	34 Z 35 Z	19 11	1 6
09-10-2023 1:00	Night	NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720	6.	64	0 12.5 0 12.5	55 4	6 63 7 64 5 64	42 3	33 35 4 33 33 3 33 33 3	3	OK, 550 dBA OR, 550 dBA	Car Panday, Inter-excluded	-15	-13 -	- 5		1 2	4 6	8 13 16 18	20 2	24	24 2	4 2	5 26	25 24	24 3	30 32 26 27 28 30	27 2	13 (5 4
09-10-2023 1:30	Night	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	51	62	0 12.5	55 4	6 66 0 64	44 3	33 3	3	Ok, SSO dBA Ok, SSO dBA	Car Panaly, 2min excluded Car Panaly, 5min excluded	-13	-12 -1	-1	3	4 3	5 6	9 13 16 19	20 2	26	25 2	4 2	5 27					1 14 7	5 5
09-10-2023 2:00 09-10-2023 2:15	Night Night	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	7.1	74	0 127	85 4 85 4	9 63 2 67	45 4 40 3	2 34 2 3 33 3 5 31 2 7 29 2	2	Ok, 550 dBA Ok, 550 dBA	Car Pansby, 3min excluded	-14 -15	-11 -1 -14 -1	3 -3	3	3 4	5 6	9 15 19 22 8 12 15 17	21 2 19 3	27	26 Z 23 Z	7 2	7 28 3 26	28 26 26 24 25 23 24 21	25 23	26 28 25 27	27 2 26 2	p 13 ? 0 13	7 4
09-10-2023 2:30 09-10-2023 2:45	Night Night	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	51	78	0 12.5	84 5 85 5	1 76 0 71	44 3	29 3 29 3 2 29 4	2	Check, above 50 dBA Ok, 550 dBA Check, above 50 dBA	Car Pansby, 2min excluded Car Pansby, 1min excluded	-12 -15	-12 -4 -14 -4	5 -6 7 -5	2	1 1	2 3	7 15 19 23 7 13 17 22	20 2 20 2	25	21 2	1 2	3 25	24 21 24 21	23 2	23 24 22 23 29 28	24 1	6 11	7 4
09-10-2023 3:00 09-10-2023 3:15	Night Night	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	3.2	78	0 12.2 0 11.5 0 11.1	85 6 88 6	4 76 2 78 1 60	55 4	2 29 40 5 26 40 5 28 3	2 2	Check, above 50 dBA	Car Pansby, Smin excluded Car Pansby, Smin excluded	-6	4	8	12 10	13 18 15 16 7 10	16 15	13 14 18 23 14 15 19 27 5 9 12 14	24 2 26 2 15 1	2 33	34 3: 34 3: 20 2:	5 3	5 34 4 32	34 32 29 25 24 20	32 : 22 :	29 28 21 21	29 2	J 14 7	7 4 5 4
09-10-2023 3:30 09-10-2023 3:45	Night Night	NML6 SVAN 977 SN:69720 NML6 SVAN 977 SN:69720 NML6 SVAN 977 SN:69720	4.1	103	0 11.1	91 5	1 60 6 68 5 70	52 4	28 32 32 40 31 40	2	7 Ok, 550 dBA 1 Check, above 50 dBA 1 Check, above 50 dBA	Car Pansby, Smin excluded	-11	7 3	2 5	7	7 10 8 19 7 10	12 9	5 9 12 14 10 14 17 21 9 12 15 17	15 1 23 2	22	20 21 31 3	4 3	2 30	27 24	20 : 25 :	25 26	22 5 25 1	10 2	7 4
09-10-2023 4:15	Night Night	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	54	54 87	0 11.7		8 69 4 75	53 4	33 4		Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	Car Panoley, 4min excluded Car Danoley, 5min excluded Car Danoley, 5min excluded	-12	-10 -1	1	4	7 23 20 16	12 9 15 10	9 12 15 17 13 14 18 21 15 17 21 24		30	33 3 40 V	4 3	2 30	26 24	24 :	25 27 24 25	26 1	12 7	7 4
09-10-2023 4:45	Night	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	2.5	s 90 5 51	0 10.1	94 5 95 7	5 67 2 81	52 3	3 30 40 3 32 50	2	Check, above 50 dBA	Car Panaly, 4min excluded EIN Dominates		-11 -1	-2	11	11 8	10 17 26 17	11 14 17 20 15 16 20 23	23 2	30	33 X 40 4	2 3	0 28 9 37	25 23 33 45 25 35	23 3	24 25 29 24	25 1 24 Z	8 12 7 2 22 1	7 4
09-10-2023 5:15	Night Night	NML6 SVAN 977 SN:69720 NML6 SVAN 977 SN:69720	1.1	254	0 97	95 7 98 6	7 89 2 74 4 95		2 30 44 1 32 44 5 35 5	2	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	RTN Dominates RTN Dominates	-6	-3 : 10 1:	3 9	17	17 21	18 18 21 19 25 24	16 14 19 23 18 18 22 24 25 22 27 31		34	35 3: 39 4: 45 4:	0 3	9 39	33 32	32	38 39 26 26	34 2 27 †	9 11 /	0 5 5 4
09-10-2023 5:45 09-10-2023 6:00	Night Night	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	2.5	303	0 10.1	96 7				4	Check, above 50 dBA Check, above 50 dBA	RTN Dominates RTN Dominates	-3	5 1	15	19 1					41			7 46 4 41		50 ·	47 46 36 41	42 3 40 3	2 22 12 3 19 11	2 5 0 5
09-10-2023 6:15 09-10-2023 6:30	Night Night	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	21	161	0 10.7 0 12.1 0 14.2	93 7 87 9	8 88 2 106	59 S	38 50 40 60 7 41 69		Check, above 50 dBA Check, above 50 dBA	EIN Dominates EIN Dominates	-5	3	1 14	14 19	20 24 21 28	27 25 27 25	21 20 24 28 25 24 27 31 20 21 25 29	33 2 35 2	40	45 4	5 5	2 50	39 43 55 60 54 60	62	401 40 50 58	37 2 55 4	5 17 E	7 19
09-10-2023 6:45 09-10-2023 7:00	neght Night	NMLB SVAN 977 SN:59720 NMLB SVAN 977 SN:59720 NMLB SVAN 977 SN:59720	51	55 57	0 14.2 0 14.9 0 15.7	79 9 75 7	1 105 1 84 6 87	/3 5 50 5	7 41 62 5 42 5 3 42 5	4	Check, above 50 dBA Check, above 50 dBA	RTN Dominates RTN Dominates RTN and Aircraft Noise, Smin excluded	- 5	2 2	12	17 16	19 30	24 27	22 23 28 29	33 2	40	44 4 45 4 42 4	4 4	1 49	54 60 40 37 39 40	35	59 58 37 38 36 38	53 4 37 3 36 3	0 22 13	3 7 7
09-10-2023 7:30 09-10-2023 7:45	Day	NML6 SVAN 977 SN:59720 NML6 SVAN 977 SN:59720 NML6 SVAN 977 SN:59720	73 11.2	55 70	0 16.7	66 7	8 89	50 5	42 5	1		KIN and Arcraft Noise, Smin excluded RTN and Arcraft Noise, Smin excluded RTN, Smin excluded	3	0	12	16 17	21 28	28 23 22 23	20 22 26 28 25 27 26 28 21 24 27 28 20 22 25 27 28 30 32 33 32 31 34 34	31 2	37	41 4	2 4	0 39	41 44	40 -	42 44	42 3 40 3	2 24 14	4 8
	Day	NMI R KUAN 977 KN-69770	11.5	83	0 17.5	58 5 57 7	3 79 8 71 3 84 7 80 4 89	56 S	2 44 45 4 46 53	4		RTN, 5min excluded RTN Dominates	-6 -2	-1	5 5	15	20 20 17 20	20 20	20 22 25 27 28 30 32 33	31 2	35	39 4i 42 4	0 3	9 38	36 36 40 39	37 3	38 39	39 3	2 23 17	4 B
09-10-2023 8:45	Day	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	13.	83 85	0 18.3	55 6 51 7	7 80 4 89	59 5 55 5	48 5 45 5	4		RTN Dominates RTN Dominates		8 1	14	18 3 17	19 26	29 27	26 31 32 33	37 3 36 3	39	43 4 42 4	4 4	2 41	40 39 39 41	40 -	41 44 41 49	43 3 47 3	/ 29 15 8 29 2	9 12 0 13
09-10-2023 9:00 09-10-2023 9:15	Day	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	13.7	75 68	0 193	49 6 46 7	9 83 2 84	57 5	47 5	3	•	RTN Dominates RTN, Smin excluded	1	9 1	5 19 2 14	18 3	20 23 18 22	23 24	24 27 30 32 23 24 27 29	34 2 32 3	39	41 43 39 4	3 4		41 42 39 41				a 30 21 4 27 1	1 14
09-10-2023 9:30 09-10-2023 9:45 09-10-2023 10:00	Day	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	124	5 65	0 20.4 0 20.5 0 20.9	43 6 42 6	7 83 1 75 2 89	55 5	4 41 5 2 42 40 3 40 5	3		RTN and Aircraft Noise, Smin excluded RTN, Smin excluded RTN and Aircraft Noise, Smin architect	-3	1 1	5 12	16 20 13	19 23 21 25 21 24	24 24 27 23	24 24 25 28 22 24 25 28 24 25 26 29	30 2 31 2 31 3	35	37 3 38 3 38 3	3 3	9 37 8 37	37 41 36 36 37 38	37	41 46 38 40 39 44	43 3 39 3	5 26 17 3 25 15	7 10 5 9
09-10-2023 10:15	Ow	NMI R KUAN 977 KM-69770	10.	65 55			0 83	57 5	40 4			RTN and Arcraft Noive, Smin excluded RTN, Smin excluded RTN and Arcraft Noive, Smin excluded	-2	3	10	10	21 21			31 3	35	38 39	2 7			37	35 40	44 3 40 3	25 11	5 9
09-10-2023 10:30 09-10-2023 10:45 09-10-2023 11:00	Day	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	92	82 78	0 22.2 0 22.5 0 22.5	35 7 35 7	0 73 4 86 0 87	57 5	4 41 41 1 39 41 4 40 5			KIN and Arcraft Noise, Smin excluded RTN, Smin excluded RTN and Aircraft Noise, Smin excluded	-5	-1	10	15	20 22	22 23	24 25 28 30 25 24 25 28 23 25 27 30	32 2 29 3 32 2	34	38 37 37 31 40 41	8 4	9 39	37 37 39 38 40 38	35	37 40 40 44	39 3	25 17 6 27 1	5 9
09-10-2023 11:15 09-10-2023 11:30	Day	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	10.	73 87	0 22.3	35 6 32 6	4 77 2 83	58 5	39 4	2		RTN, Smin excluded RTN, Smin excluded	-3	2	13	17	20 24 18 22	23 23 28 22	24 23 26 29 25 23 26 28	31 3	37	38 32 37 3	0 3 7 3	7 36	36 36	37	37 41 35 36	41 3 36 7	3 23 1/ 9 21 1	4 8 3 6
09-10-2023 11:45 09-10-2023 12:00			10.	113 85	0 23.5	32 7 32 7	0 86 1 87	64 5 63 5	38 50 4 35 5	3		RTN and Alexaff Noise, Smin excluded RTN, Smin excluded	-4 0	7 1	15	17 : 21 :				31 2 31 2		35 32 39 4	0 3	7 36 9 41	37 38 39 40	37	37 47 38 46	47 3 42 3	4 25 16 4 25 1 ⁹	5 9
09-10-2023 12:15 09-10-2023 12:30	Day	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	7.1 8.2	103	0 23.9	31 7 32 6	2 87 5 77	57 5	35 5	3		RTN and Aircraft Noise, Smin excluded Aircraft Noise. 3min excluded	- 5	3	13	19 3	22 26 16 20	24 25 23 23 27 20	24 22 26 27 19 23 25 29	30 2 32 2	35	37 3 37 3	8 3 7 3	5 41 5 35	39 40 34 35	39 40	39 49 34 36	45 3 37 2	6 26 17 8 20 11	7 10 1 7
09-10-2023 12:45 09-10-2023 13:00 09-10-2023 13:15	Day	NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720 NMLB SVAN 977 SN:69720	11.1	112	0 24.1	29 6	3 85 4 80	58 5	36 58 3 41 40 9 33 40	3		RTN and Aincraft Nobia, Smin excluded Aincraft Nobia, Smin excluded	-3	1	14	22 16	23 24	28 29	25 25 30 29 21 23 26 29	32 2 31 2	35	38 3 38 3	9 3	9 41 8 37	40 35 36 37	35	39 42 38 43 33 35	41 3	3 23 15 3 24 14	51 9 4 11
09-10-2023 13:30	Day	NML6 SVAN 977 SN:69720	10.4	110	0 23.8 0 23.4 0 23.5		8 75 3 78	55 9	33 40 0 39 40 4 32 50 2 37 40			RTN, 3min excluded RTN, 3min excluded RTN and Local Vehicle Noise, 5min excluded		4	11	10	19 23	20 22 21 22 31 32 21 21	19 20 22 24	29 2 27 2 33 3 30 2	32	35 3	5 3	4 35	30 32 30 33 30 30	35	35 36	34 2 35 2 37 3	8 19 10 8 20 11 1 23 14	1 6
09-10-2023 13:45 09-10-2023 14:00 09-10-2023 14:15	Day	NMLS SVAN 977 SN:59720 NMLS SVAN 977 SN:59720 NMLS SVAN 977 SN:59720	7.1 9.1	120	0 23.5 0 24.5 0 24.2		3 83 2 75 3 89	57 S	32 50 2 37 40 4 38 5			RTN and Local Vehicle Noise, Smin excluded RTN, Smin excluded RTN and Alexaft Noise, Smin excluded	-3	2 1	17	26 14 23	17 19 23 28	21 21 26 24	26 25 28 31 20 22 26 31 32 36 39 39	30 2 40 4	35 44	40 4 35 4 44 4	0 3	5 36 0 38	35 35 37 36	35 35	35 39 35 41	39 3		3 7
09-10-2023 14:30 09-10-2023 14:45	Day	NMLS SVAN 977 SN:69720 NMLS SVAN 977 SN:69720	6:	5 65	0 23.5	30 5 28 7	3 89 8 71 5 90	55 S	4 38 50 3 36 40 0 38 5	•		RTN and Alexatt Nobe, Smin excluded RTN and Alexatt Nobe, Smin excluded	-4		10	15	22 27	27 25 24 23	32 36 39 39 23 25 26 29 24 22 25 27	30 2 30 2	35	37 3	8 3	7 37	39 39 36 41	37 39	37 39 44 46	39 3 41 7	24 17 4 25 1	4 8
09-10-2023 15:00 09-10-2023 15:15	Day	NML8 SVAN 977 SN:69720 NML8 SVAN 977 SN:69720	71	54 116	0 23.9	30 6 29 5	5 77 8 71	53 4 52 4	33 4	3		RTN , 3min excluded	-3	-3	1 6	13	17 26 22 19	25 20 17 19	21 22 22 24 15 18 20 21	26 2 23 2	32 23	35 3 33 3	6 3 4 3	5 36 2 30	34 33 25 25	32 25	32 33 24 27	32 2 25 1	2 18 10 2 12	0 5 8 5
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End Time Time Location Period	Logger	Mine Weather Data Wind Speed Wind	Rainfall Temp (mm) (oC)	Raw 15 Humidity LAmax	5-minute Str LAlmax	stistical Data LA1 LA10	LAGO	Logsum LAeq15min tol Aeq LAeq 5530 Hz	Lmax Requires Further Review	Comments (dominantholeworthy sources).	Rew LAsq, timin 20Hz 25Hz	1.0 Spectrum 31.5Hz 4	n 90Hz 5	3Hz 63Hz 80Hz 1008	tz 125Hz 1	50Hz 2006	tz 250Hz	15Hz 400Hz 500H	630Hz 800Hz	1kHz 1.25	etz 1.6ketz 2ketz 3	58Hz 3.15kHz	kHz SkHz 6.3kHz BkHz	10kHz 12.5kHz 16kHz
		(kmhr) Direction	(TET) (OC)	(%)				(incl +1.5 dB correction)																
09-10-2023 15:30 Day NMLS 09-10-2023 15:45 Day NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	8.6 94	0 23: 0 23:	3 31 7	no as	62	50 36	49 3		RTN and Aircraft Noise, 4min excluded	4	1 6		17 25 27	22 29	25	21 24	26 30 2 25 30 2	35 37	38	37 35 33 36 38 47	35 35 46 45	37 44 42 3 41 39 36 3	22 13 2
09-10-2023 16:00 Day NML8	SVAN 977 SN:69720	7.2 80	0 24.	1 29 6	53 75	57	49 31	46		RTN and Annual Noise, 3min excluded	-3	3 6	12	16 22 27 19 23 28	23 24	30	20 22	27 27 3 26 30 3	34 37	39	37 36 34 41 38 38	32 31 39 37	28 29 29 1 33 31 31	11 7
09-10-2023 16:15 Day NMLS 09-10-2023 16:30 Day NMLS 09-10-2023 16:45 Day NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	6.1 81 7.2 108	0 24. 0 23. 0 23.	3 31 6	25 76 11 97		52 37	48 4		RTN, Smin excluded RTN and Aircraft Noise, Smin excluded RTN Smin our larked	-1	5 9	14	28 33 25	25 27	23	22 26	30 32 3 26 29 3	37 40	41	39 37 36	36 37 51 49	32 33 33 3	16 9 5 4 24 12 6
09-10-2023 17:00 Day NML8	SVAN 977 SN:69720	6.8 69	0 23.1	8 30 7	77 89	58	52 38	50 3		RTN, 2min excluded RTN and Aircraft Noise, 4min excluded	-7	3	10	18 20 25	23 20	20	20 22	26 29 2	34 35 35 35	39	48 41 46 38 36 37 40 37 37	42 38	37 41 42 3	20 10 6
09-10-2023 17-45 Day NM 8	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	8.3 79 10.1 79	0 23: 0 22: 0 22:		12 73 17 83	53	45 36	44 3 46 4		PIN Dominatos	-9	4 2	5		25 20 20 18 19 20	19	19 22 20 25	23 26 2 28 31 3	32 36 38 40	3/2	40 37 37 37 34 32 39 37 34	40 38 31 30 37 39	37 40 37 2 28 30 29 2 28 32 30 2	14 8 5
09-10-2023 18:00 Day NMLS 09-10-2023 18:15 Evening NMLS 09-10-2023 18:30 Evening NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	9.7 75 6.8 69	0 21. 0 20. 0 20.	4 36 7. 8 37 8	72 92 38 101	63 81	52 37 53 35	50 4		RTN Dominates RTN Dominates	- 5 -	1 5	11	17 23 26 17 19 27	24 25 21 24 27 33	27 18 25				42	43 39 35 49 46 56	34 33 58 59 34 34	30 32 31 2 58 56 52 4	14 8 4 32 21 11
09-10-2023 18:30 Evening NMLS	SVAN 977 SN:69720 SUAN 977 SN:69720	5.4 50 7.6 67	0 20.	1 39 6	55 79 54 75	59	54 39 52 40	50 4		RTN Dominates PTN Dominates	.7	9 14	19	22 27 27	27 33	25	23 26	25 30 2 29 33 3	39 43	44			32 33 30 3	
09-10-2023 18:45 Evening NMLS 09-10-2023 19:00 Evening NMLS 09-10-2023 19:15 Evening NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	8.3 74 11.2 72	0 19: 0 19: 0 19:	5 42 6 2 43 5	59 83 57 70	59	52 41 49 42	45 4	4	RTN Dominates RTN Dominates	4 5	5 5	16	21 21 23 18 20 21	26 20 22 22 21 21	25	27 32 29 32	32 34 2	35 41	42	39 36 37 40 37 34 37 34 32	33 34 33 33	36 35 26 1 35 32 29 2 37 35 34 2	15 8 5 1 20 11 6
09-10-2023 19:30 Evening NMLS 09-10-2023 19:45 Evening NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	10.1 62 7.9 59	0 18. 0 18.	7 45 5 2 47 5	53 75 50 72	55 54	45 41 45 43	46 3 46 4		RTN Dominates RTN Dominates	-5 2	4 1 9 11	13	16 17 23 17 24 29	20 19 19 27		20 24 24 27	26 29 3 30 32 3		35 34	35 34 33 33 33 33	33 33 34 34	38 36 35 2 39 37 37 3	20 12 6 22 13 7
09-10-2023 20:00 Evening NMLS	SVAN 977 SN:69720 SVAN 977 SN-69720	9.7 53 8.6 61	0 17.	4 55 6	55 76 50 73	54	49 42 51 41	47 3		RTN Dominates RTN Dominates	-2	4 5	13	10 12 18	21 22	23	24 29 22 25	30 32 2 27 28 2	36 39	36	38 38 35 36 35 34	34 34 35 35	38 39 38 3	2 24 15 8
	SVAN 977 SN:69720 SVAN 977 SN:69720	9.4 41 9.4 33	0 17.	6 63 5	55 67 57 70	56	50 42 52 39	47 3 48 4		RTN Dominates RTN Dominates	6 0	5 -3	3	8 10 13	13 15 15 17	18 20	22 25 24 26	27 28 2 28 30 2	32 34	37	35 35 34 36 36 36	34 35 36 37	37 39 38 3 38 41 41 3	27 18 11
09-10-2023 21:00 Evening NMLS 09-10-2023 21:15 Evening NMLS 09-10-2023 21:30 Evening NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	9.4 33 11.5 27	0 16. 0 16.	3 69 6. 1 72 6	52 82 51 74	50 59	56 47 56 46	53 4	4	Wind Noise Dominates Wind Noise Dominates	-2	1 3	7		19 22 19 22	24 24	28 30 28 31	32 34 2 33 35 2	38 39 38 40		41 41 40 41 41 41	40 41 41 41	43 45 45 3 43 45 45 3 42 45 44 3	32 23 16 32 23 16
		15.1 31 14.4 29	0 1	5 72 6	51 74 51 81	59 57	56 46 54 45	52 4 51 4		Wind Noise Dominates RTN Dominates	-1 -5	2 5	11	15 18 23 13 15 23	21 22 19 21	24 23	26 30 26 29	33 34 3	38 40 37 38	41 39	41 41 40 39 39 39	40 41 39 39	42 45 44 3 41 43 43 3	1 31 22 15 7 30 21 14
09-10-2023 22:00 Evening NMLS 09-10-2023 22:15 Night NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	10.1 33 6.8 45	0 153	5 73 5 5 74 6	56 73 52 74	55 58	53 45 53 42	50 4 49 4	Check, above 50 dBA	RTN Dominates RTN Dominates	-8 -7	4 1	5	9 13 14 10 14 20	17 19 19 20	21	25 28 24 27	30 32 2 29 32 2	35 37 36 38	38	38 38 38 38 37 37	38 38 37 37	40 42 42 3 39 41 41 3	29 19 12 5 28 19 12
09-10-2023 22:30 Night NMLS 09-10-2023 22:45 Night NMLS 09-10-2023 23:00 Night NMLS 09-10-2023 23:15 Night NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	9.0 37	0 15. 0 15. 0 1: 0 14.	3 75 5 2 76 5	57 73 56 69	53 54	50 40 47 39	45 3	Check, above 50 dBA Check, above 50 dBA	RTN Dominates RTN Dominates	-11	7 -3	3	6 8 10 7 14 17	12 15	18	22 25	27 29 3 26 27 3 23 25 2	32 33	34 34 30 28	34 34 34 33 33 32 30 29 30	34 35 32 33 30 30 24 23	36 39 38 3 34 37 36 3 32 34 34 3 24 25 24	25 15 5
09-10-2023 23:15 Night NMLB	SVAN 977 SN:69720	5.4 50 6.5 50	0 141	5 78 5	50 66 52 66	49	37 30	36 3	Check, above 50 dBA	Car Pansby, Lienax excluded	-14 -1	3 4	0	3 4 6 5 9 15	15 9 18 16	10	12 15		24 25	28		24 23	24 25 24 1	1 12 7 4 1 13 5 5
09-10-2023 23:30 Night NMLS 09-10-2023 23:45 Night NMLS 10-10-2023 0:00 Night NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	6.5 54 6.5 54	0 143 0 143 0 143	7 79 6 6 79 5	51 72 52 64	53 49	38 27	40 2 37 3	Check, above 50 dBA Check, above 50 dBA Ok, 550 dBA	Car Pansby, Imin excluded Car Pansby, LAmax excluded	-16 -1	3 -1	-7	12 17 28	5 7	10	13 17	20 23 2 19 20 2 19 21 2	29 32 23 24 1 24 25	24	33 30 28 25 25 25 25 25 26	25 25 25 26 26 27	24 25 25 1 28 30 29 2 28 30 30 3	13 8 5
10-10-2023 0:10 Night NMLS 10-10-2023 0:15 Night NMLS 10-10-2023 0:30 Night NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	5.0 71	0 142	2 50 4	17 65	40	36 27	30 3 33 2 37 3	Ch, 550 dBA Check, above 50 dBA	Car Bandar I dansa anabadad	-15 -1 -16 -1	4 -11	- 4	3 0 2	3 4	6	10 13	17 19 1 15 19 2	24 23 21 21 26 30	21	25 25 26 22 21 22 30 28 24	20 27 21 23 22 22	23 25 24 1 21 22 21 1	12 7 4
		6.5 54	0 14.	1 82 5	55 72	50	35 19	36 3			-15 -1	3 -9	4	4 7 10	9 7	4	6 9	15 18 2		30	27 24 22 32 30 27	18 19 24 21	17 16 16 1 19 17 14	9 6 4
10-10-2023 1:00 Night NMLS 10-10-2023 1:15 Night NMLS 10-10-2023 1:30 Night NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	6.1 58 5.0 58	0 13.0		69 65 60 56	38	25 18	25 2	Check, above 50 dBA Dk, 550 dBA Dk, 550 dBA	La Parity, 21111 October	-16 -1	5 -14	-10	4 3 5	-3 -1	-2	2 5	13 15 1	13 12	10	15 15 17	12 15	17 14 13 1	8 6 4
10-10-2023 1:45 Night NMLS 10-10-2023 2:00 Night NMLS 10-10-2023 2:15 Night NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	2.2 69	0 13.2	3 87 6	90 79	54 57	31 18	39	Check shows 50 dSA	Car Passiby, Tmin excluded Aircraft Note: Zmin excluded	-4	1 5	13	13 14 21 13 16 26	17 13 18 17	10	11 13	17 21 2 23 30 3	28 31 35 36	32	32 29 25 36 34 31	22 19 27 24 9 12	18 18 19 1 22 20 16 1	10 7 4 8 6 4
		4.3 235	0 11. 0 11. 0 10.	3 94 3 5 96 6	17 62 56 77	32 56	22 15 36 16	21 2	Check, above 50 dBA Ok, 550 dBA Check, above 50 dBA		-16 -1	5 -13	-10 7	0 4 -5 12 16 22	-2 -3 16 16	-3 21	1 5	13 13	10 8 36 36	9 36	10 10 10 34 30 27	9 12 24 22	11 11 11 1 20 19 16 1	8 6 4
10-10-2023 2:45 Night NMLS 10-10-2023 3:00 Night NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	2.2 197 1.8 146	0 10: 0 10:		54 75 64 71	55 29	32 16 23 15	41 1 20 5	Check, above 50 dBA Ok, 550 dBA	Aircraft Nobe, 2min excluded	-12 - -16 -1	5 -4 5 -14	-5	7 23 31 0 2 2	14 12	14	13 18 -1 4	22 25 2 9 9	32 34	34	32 29 25 9 10 10	22 19 10 11	17 16 15 1 11 11 11	9 7 4 5 5 5 4
		2.5 18 1.1 337	0 10.	5 99 6	54 77 35 58	59 23	44 15 19 14	44 2 17 1	Check, above 50 dBA 5 Ok, 550 dBA 5 Ok, 550 dBA	Car Passiby, 3min excluded	-4 - -15 -1	4 -11	- 5	12 14 16 2 7 1	16 16 -2 0	14	18 22 -1 3	26 29 3	35 38	28	37 32 29 7 8 8	27 22 9 10	19 18 15 1	9 5 4
10-10-2023 3:30 Night NMLS 10-10-2023 3:45 Night NMLS 10-10-2023 4:50 Night NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	1.8 300 1.8 305	0 10.	1 100 4 9 100 5	90 60 57 69	28 50	20 15 25 15	35 2	Check, above 50 dBA	Car Panaby, LAmax excluded	-15 -1 -15 -1	4 -11	- 4	0 7 -1	-2 -3 3 1	-4	-2 3 0 6	9 13 1	22 26		8 8 9 29 26 21	10 11 16 14	11 11 11 1	3 5 4 3 5 5 4
10-10-2023 4:15 Night NMLS 10-10-2023 4:30 Night NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	2.9 170 2.2 197	0 9.	4 100 E	55 77 52 74	59	51 17 50 16	47 4 46 2	Check, above 50 dBA Check, above 50 dBA	RTN Dominates Car Panaby, Smin excluded	-14	9 4	5	15 15 15 9 12 14	17 15 19 24	12 10	15 19 15 21	24 28 2 22 27 2	39 42 37 41		38 35 31 38 34 30	27 23 26 22	20 17 15 1 18 16 13 1	3 5 4 3 5 4
		2.2 30 4.0 67	0 93	3 100 B	55 78 75 86	53	40 15 52 29		Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	Car Paniby and Aircraft Noive, 3min excluded RTN Dominates	4	2 10	15	17 17 31 18 20 21 11 15 28	21 20 27 19	17	19 22 20 22	27 32 2 27 32 2	38 40 39 44 35 40	40 45	40 37 33 46 44 41 40 38 33	29 25 53 53	24 22 18 1 30 26 31 3 30 30 24 1	8 6 4 22 18 8
10-10-2023 5:00 Night NMLS 10-10-2023 5:15 Night NMLS 10-10-2023 5:30 Night NMLS	SVAN 977 SN-69720 SVAN 977 SN-69720	32 65 43 63	0 10.2	2 100 9	51 73 90 103	57 56	52 28 77 33	47 3 73 4	Check, above 50 dBA	RTN Dominates RTN Dominates	-6 -5	3 4	9	12 22 28	27 19 20 15 19 18	18	14 16 16 19	20 26 2	35 40 39 44	51	56 54 60	53 53 29 29 66 68	30 30 24 1 66 64 60 4	
10-10-2023 5:45 Night NMLS 10-10-2023 6:00 Night NMLS 10-10-2023 6:15 Night NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	3.6 35 5.4 48	0 102 0 1 0 122	7 99 8 1 99 7	17 99 19 92	73 70	55 33 55 37	50 4 57 4	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	RTN Dominates RTN Dominates	-5 3	2 6	12	16 21 26 19 21 23 17 23 29	25 25 30 32 28 26	25 24	18 21 24 29	26 29 2 28 32 2 27 32 2	35 40 41 43	43 45	47 44 47 46 41 42 44 42 40	54 53 51 45 41 40	51 51 46 3 47 48 44 3 35 38 35 3	5 28 17 8 4 26 14 6
10-10-2023 6:15 Night NMLS 10-10-2023 6:30 Night NMLS 10-10-2023 6:45 Night NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	1.8 212	0 11.1 0 12.1 0 12.1	5 96 7	72 85	59	54 36 52 32	50 4	Check, above 50 dBA Check, above 50 dBA	RTN Dominates	-2	1 6	12		23 21 23 21	22	18 21	27 32 3 25 30 3 26 29 3	39 42		44 42 40 42 41 38 39 39 35	37 39 32 31	35 36 35 2 32 34 34 2 27 26 25	12 7 4
10-10-2023 7:00 Night NMLS	SVAN 977 SN:69720	2.2 145	0 143	7 57 5	58 80		49 29	47 4	Check, above 50 dBA	RTN Dominates RTN and Aircraft Noise, Smin excluded	-2	0 7	13	17 18 23	20 20	20	19 23	27 31 3 33 35 3	38 40	39	37 37 33 43 38 40	31 30 45 40	27 26 25 1 42 44 40 2	7 10 7 4
	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	4.3 355	0 162	2 79 6	1 74	57	51 33	46 3		RTN, Smin excluded	2 .7	3 9	13	17 21 23	23 22	29 18 21	18 20 22 20	24 27 2 21 23 2	34 38 31 36	39	39 38 34 45 38 41	34 33 53 46	29 30 29 2 48 53 45 3	2 13 7 4
10-10-2023 8:00 Day NML8	RUAN 977 RN-69770	8.6 355 8.6 354	0 17	1 73 7	75 87	59	52 36	49 3 62 3		RTN, 5min excluded	1	6 13	15	20 22 26	25 24	22	21 23	26 31 2	5 36 39	40	40 40 35	41 37	35 40 38 2	7 17 9 5 0 29 18 10
10-10-2023 8:15 Day NMLS 10-10-2023 8:30 Day NMLS 10-10-2023 8:45 Day NMLS	SVAN 977 SN:59720 SVAN 977 SN:59720 SVAN 977 SN:59720	10.1 340	0 18. 0 18. 0 19.	7 53 6	90 74 72 85	55	47 31 48 31	43 3		Alexaft Nobe, 3min excluded	-1	3 10	14	17 21 27 15 19 21	15 21 23 22 15 19	23	20 23	22 24 2 24 28 3 21 24 2	33 35	35	50 47 51 34 34 31 34 34 37	55 55 30 29 36 35	55 54 50 4 28 29 31 2 32 32 31 3	
10-10-2023 9:00 Day NMLS 10-10-2023 9:15 Day NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	7.2 7 7.6 7	0 20.5	5 53 6 9 47 6	54 82 51 74	56 55	51 34	47 3		RTN and Aircraft Noise, Smin excluded	-1	2 7	10	16 21 31 15 18 20	24 21 19 19	19	19 22	26 29 3	35 37	37	36 35 33 35 36 31	35 34 32 33	33 39 38 2 28 30 30 3	17 9 5
		7.2 17 6.1 21	0 215 0 215 0 225	5 44 7 9 41 6	ro 85	59	49 31 47 31	47 3 45 3		RTN, 5min excluded RTN, 4min excluded	- 2	3 8	14	18 22 29 14 20 20	29 23 23 25	22	25 23 20 21	24 27 2 25 26 2 21 26 3 20 27 2	33 36	36	36 33 32 37 36 35 35 33 31		34 42 39 3 28 28 26 1 30 30 31 2	19 11 6
10-10-2023 10:00 Day NMLS 10-10-2023 10:15 Day NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	9.4 341 9.4 330			52 75 53 79	55 55	47 32 48 33	44 3		RTN, 3min excluded	-8	4 5	10	14 20 20 13 20 24 13 17 20		21 27 16	19 23 17 18	23 26 2	33 35			33 31 32 32 33 35	30 30 31 2 32 37 38 2	15 8 5
10-10-2023 10:30 Day NMLS 10-10-2023 10:45 Day NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	6.8 50 4.0 239	0 23- 0 24:	4 34 6 5 33 6	50 73 56 78	53 59	48 32 51 30	44 3 47 3		RTN, 4min excluded	-6 -7	1 5	11	12 17 20 18 24 28	20 23 25 27	22 27	23 25	27 29 3	29 32 36 37	33	32 31 29 36 34 32	31 32 33 35 36 38	32 37 37 2 35 38 40 2	
10-10-2023 11:00 Day NMLS 10-10-2023 11:15 Day NMLS 10-10-2023 11:30 Day NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	6.1 116 5.8 105	0 24: 0 23: 0 24:		53 78 58 103	57 77	52 36 51 32 48 31	48 3		RTN, Smin excluded RTN and Aircraft Noise, Smin excluded RTN 3min our larked	0	5 11 4 6	14		23 25 21 24 27 26	29 25 22	25 25 22 24	28 29 3 28 31 3 25 27 3	34 36 35 37 33 36		35 34 33 49 43 51 35 34 33	36 38 56 57 32 31	37 39 42 2 56 55 51 4 28 30 26	18 11 7 1 31 20 11 1 10 7 4
10-10-2023 11:45 Day NML8	SVAN 977 SN:69720	7.2 154 10.1 168	0 23.1	8 32 6	50 74 51 72		47 30				-6	6 12 4 8			24 21	17	19 21 21 19	19 21 2	25 30	31	32 35 39	32 31 31 26 31 28		7 11 7 6
10-10-2023 12:00 Day NMLS 10-10-2023 12:15 Day NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	6.1 255 8.3 169	0 23.	4 29 6	50 75 55 79	55 59	49 32 49 31	45 3 47 3		RTN, 4min excluded RTN and Aircraft Nohe, 4min excluded	-4	4 6	11	16 20 25	21 23	23	19 22 22 26	25 27 2 27 30 2	34 37 35 39	38	36 35 33 38 36 34	31 25 32 30 34 33	28 29 27 2	
10-10-2023 12:45 Day NML8	SVAN 977 SN:59720 SVAN 977 SN:59720	5.4 252 6.5 30	0 241	6 22 7.	77	58 54	49 31 45 30	44 3		kin, emmescuded	-5	2 3	5	11 14 10	23 25 19 17	17	21 25 16 21	26 30 3 24 25 2	35 37 31 33		37 40 36 33 33 33	36 35	28 28 26 1 34 32 27 2	
10-10-2023 13:00 Day NMLS 10-10-2023 13:15 Day NMLS 10-10-2023 13:30 Day NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	7.9 134 8.6 185	0 25.0 0 25.0 0 25.0	y 25 7 1 25 6	ro 88 53 81	51 51	52 33 48 34 48 32	51 3 44 3		RTN, 2min excluded RTN. 5min excluded	-5	2 6	9	15 18 26 15 17 18 19 26 26	22 20 15 24 24 27	19 22 26	20 23 18 21 23 26	25 28 3 22 23 2 27 30 3			35 35 36 34 32 35 37 35 33	41 37 35 33 33 33	30 45 44 3 30 30 29 27 28 25	2 21 14 8
	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	5.0 217 5.0 217	0 25: 0 25: 0 25:	3 25 5	78 59 78	55 55	49 32 50 31	45		RTN and Aircraft Noise, 4min excluded	-1	1 1	11	15 18 24 17 24 24	27 23	25 19 24	18 22 22 23	27 30 3 24 27 3 26 29 3	36 38 34 37	36 36	37 35 33 38 38 39	23 33 23 30 30 28	25 28 25 1 77 79 26	11 8 6
		5.8 187 4.1 ***			55 80	50	50 30	48 3		RTN, Smin excluded RTN and Aircraft Noive, Smin excluded RTN and Aircraft Noive, Smin excluded	2 .2	6 10 6 7	13			26	27 26	31 36 2	37 40	40	40 37 34 37 34 32		27 27 26 1 27 27 26 1	11 7
10-10-2023 14:30 Day NMLS 10-10-2023 15:00 Day NMLS	SVAN 977 SN 59720 SVAN 977 SN 59720 SVAN 977 SN 59720 SVAN 977 SN 59720	9.4 227 10.4 241	0 26.1 0 26.1 0 27.1		72 88	63	50 33	50 3		RTN and Autorat Holis, Shirt exceed RTN, 2min excluded RTN, 5min excluded	1 4	4 6	8	14 18 27 17 23 23 20 23 27	31 33 23 26 29 26	25 22 23	18 21 24 24	26 28 3 25 26 2 27 29 3	33 35	37	37 35 34 36 36 37	32 34 39 37 37 37	41 44 42 3 38 32 30	1 22 14 8 4 15 10 F
10-10-2023 15:15 Day NMLS 10-10-2023 15:30 Day NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	7.6 241 9.7 194	0 261 0 261	8 22 6. 9 22 8	52 74 51 92	57 55	50 37 51 37	46 3 50 3		ETN, 2min excluded ETN, 5min excluded	-1	5 7	12		22 23 19 19	19	18 22 17 20	26 30 3 24 27 2	35 35 34 37		38 36 35 37 36 37	35 35 46 37		7 21 14 10 9 21 15 10
10-10-2023 15:45 Day NMLB	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	9.0 196 6.1 230	0 26. 0 26. 0 26.		rg 90 99 72		50 32 47 31 49 31	50 3 43 3		RTN and Alexaft Noise, Smin excluded	-2 -4	4 10	11	17 31 26 13 25 24 17 20 29	24 25 19 21	26 18 27	22 24 17 20	27 31 2 22 24 2 27 30 3		38	39 36 37 33 32 32 37 36 34	46 35 33 31 33 33	36 43 35 2	15 9 6
		4.7 211 4.0 150	0 25.3	3 22 5	52 74 53 97	76	51 34	45 60		RTN and Alexaft Nobe, 4min excluded RTN and Alexaft Nobe, 4min excluded	-3	5 10 5 6	12	14 22 31	30 22	27	23 22	27 30 2 25 28 3	34 35 35 40	42	46 47 51	54 53	52 51 46 3	12 9 5 26 15 8
10-10-2023 10:45 Day NMLS 10-10-2023 17:00 Day NMLS 10-10-2023 17:15 Day NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720	4.0 24 4.0 220	0 26.1	5 23 7 3 23 7	ro 84	56 60	50 32 52 38	46 3 49 3		RTN, 3min excluded RTN, 5min excluded	-3	6 6 6 8	11	17 20 21 21 23 28	26 22 26 26	23 22	19 22 23 25	26 28 2 29 33 3	35 38 39 41	39 42	38 36 34 41 40 37	31 30 36 36 44 45	29 31 27 1 32 34 34 3	9 12 8 5 7 21 14 5
10-10-2023 17:15 Day NMLS 10-10-2023 17:30 Day NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	9.0 167 7.2 165			74 91 74 89	65 62	51 41 58 42	56 4 53 4		ETN, Smin excluded ETN Dominates	-3	4 8 5 6	12		24 23 31 27	21 29	22 25 31 32	28 32 3 35 36 2 30 33 3	37 41 40 42	42 44	43 43 43 43 42 42	44 45 43 44		40 33 27 34 27 22 5 27 54 3
10-10-2023 18:00 Day NMLS	SVAN 977 SN:59720	7.2 129 5.4 131	0 253 0 243 0 243	9 27 8 1 28 8	15 96 15 99		52 35 53 33			RTN, Smin excluded RTN, Smin excluded	-8	1 4	14	18 24 29 14 17 21	31 27 24 24 24 28	22 27	25 25	27 29 3	38 41 37 41	42 42	43 42 42 46 41 46 41 35 43	43 44 51 53 47 49	41 42 43 3 52 51 46 3 47 45 43 3	27 14 7 1 21 11 6
10-10-2023 18:15 Evening NMLS 10-10-2023 18:30 Evening NMLS	SVAN 977 SN:69720	4.0 133 3.2 109	0 22	3 30 6	54 75 53 81	50 59	57 36 55 42	54 4 52 4		KTN Dominates KTN Dominates	-7	1 5	14	19 21 20 17 23 24	26 23 24 29	21 25	19 23 25 27	36 33 4 31 35 3	41 45 41 45	45	43 42 41 42 40 42	42 43 36 33	43 43 39 3 33 38 29 3	2 23 13 6
10-10-2023 10:45 Evening NMLS	SVAN 977 SN:69720	3.6 116 2.2 89	0 22:	9 32 6	99 78 54 76	61 61	57 53 57 53	50 5 50 4		ETN Dominates	-6 1 -4 1	0 6	12	31 20 30		30	30 35 32 35	43 41 2 42 40 2	44 45	45	45 45 45 45 45 45	43 42	41 42 39 3 41 45 39 3	22 11 5
10-10-2023 19:15 Evening NMLS 10-10-2023 19:30 Evening NMLS 10-10-2023 19:45 Evening NMLS	SVAN 977 SN:59720 SVAN 977 SN:59720	4.7 27 5.8 27	0 21: 0 20: 0 20:	9 36 7	75 72 85	55 60	54 38 47 38 48 42	50 4		RTN Dominates RTN Dominates Car Panaby, Smin excluded	-12 -5	3 7	-1	20 17 19 13 31 29	21 18 23 23 22 19	20	21 27 29 24	35 32 2 30 32 2 24 27 2	35 36 39 40	42	38 37 36 42 42 41 34 33 32	35 36 36 37 32 36	36 42 30 2 36 38 30 2 36 41 36 3	
10-10-2023 19:45 Evening NMLS 10-10-2023 20:00 Evening NMLS 10-10-2023 20:15 Evening NMLS	SVAN 977 SN:69720 SVAN 977 SN:69720 SVAN 977 SN:69720	72 21	0 20.1 0 20.1 0 19.1		52 73	55	40 42 46 41	45 3		Lar Hansey, omen excluded Car Passiby and Alnoraft Notice, 4min-excluded	-3	5 2	17 6	10 20 22 13 15 20	32 21 32 21	15	19 22 18 20	24 27 3	32 34	34	34 33 32 34 33 31	32 35 30 35 31 35	36 41 36 3 34 39 33 2 36 40 34 2	22 14 8 7 19 11 6
10-10-2023 20:10 Evening NMLS	SVAN 977 SN:59720	7.9 29	0 19/ 0 19/ 0 19/ 0 18/	6 53 5	55 71	52	45 40	43 3		RTN Dominates Car Pansby, Smin excluded Car Pansby, Smin excluded	-1	1 4	2	20 14 24 13 13 19 8 15 17	19 13	19	22 26	27 27 2	2 33 33 31 34 7 30 33 2 23 26 3 35 37	34	32 31 31 31 29 28 32 31 29 25 24 24	29 33	35 35 31 3	17 9 5
10-10-2023 20:30 Evening NML8 10-10-2023 20:45 Evening NML8 10-10-2023 21:00 Evening NML8 10-10-2023 21:15 Evening NML8	SVAN 977 SN 69720 SUAN 977 SN 69720	6.1 132 7.6 *2	0 18:	5 57 5 5 57 5	73 68	46 58	42 38 47 48	40 2		Car Panaby, 3min excluded Car Panaby, 4min excluded	-14 -1	3 -8	-2	4 5 4 14 10 2	19 13 14 21 6 7 21 20	9	12 15	27 27 2 22 26 2 17 20 2 25 29 3	20 33	26 38	25 24 24 36 34 31	29 33 30 33 29 32 31 31	35 35 31 2 36 36 27 2 36 33 28 2 38 29 24 1 38 28 15 1	15 8 5
10-10-2023 21:30 Evening NMLS	SVAN 977 SN:69720	43 101	0 18.	55 5	57 69	54	44 33	41 2		Car Panoby, 4min occusion Car Panoby, 2min excluded	-15 -1	2 -0	-3	6 7 10	16 9	10	12 16	25 29 3 18 24 3	30 31	31	28 25 22	26 27	38 28 15	9 6

Column C	End Time Location Logger Mine Weather Period Wind Speed	Data Wind Rainfall Temp Hu	Raw 15-minute Statistics umidity LAmax LAI	al Data Logsum LAeq15 LA10 LA80 LAeq LAeq 5530 Hz (incl +1.5 db	nin tota Lmax Requires Further Review	Comments (dominantholeworthy sources).	Raw LAsq timin 1.0 Sp 20Hz 25Hz 31.5	SHz 40Hz	50Hz 63Hz 80Hz 100Hz 125Hz 160Hz .	200Hz 250Hz 315Hz 400Hz 500Hz 630Hz 800Hz 18Hz 11.25kHz 1.66Hz 28Hz 25kHz 3.15kHz 8Hz 5kHz 6.3kHz 8kHz 10kHz 12.5kHz 16kHz
Column C	(kmbr)	Wind Rainfall Temp Hu Direction (mm) (oC) (%)	(a)	(incl +1.5 dB correction)						
	10-10-2023 21-45 Evening NMLB SVAN 977 SN:69720 6.5	74 0 17.0	60 61 72	55 43 33 42	1.6	Car Panaby. 3min excluded	-1 3	8 10	16 19 21 19 21 21	19 21 23 24 27 31 34 35 33 29 27 27 36 26 24 19 11 7
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Column	10-10-2023 23:15 Night NMLB SVAN 977 SN:69720 4.3 10-10-2023 23:30 Night NMLB SVAN 977 SN:69720 5.0	52 0 17.6 32 0 17.6	55 48 71 54 52 64	44 37 31 36 48 41 33 38	27 Check, above 50 dBA	Car Panoby, LArmax excluded	-15 -15 -15 -12	-12 -7 -8 -3	3 8 1 2 3 2 11 5 8 7 7 8	5 7 9 11 14 19 22 22 20 19 18 29 25 32 23 20 14 10 7 12 15 17 19 21 24 27 28 27 25 25 29 27 31 29 29 22 15 8
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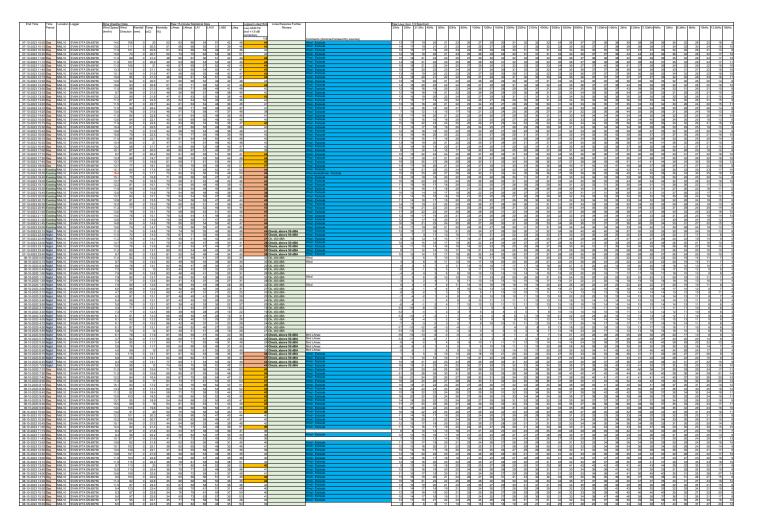
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End Time Time Location Logger Mine Weather Data Raw 15-minute State	ical Data Logaum LArq1	Emil Lmax Requires Further Perviser	J. Ling tion 13 Spectrum	u. Irreu. Ireu.
(kmhr) Direction (mm) (oC) (%)	1 LA10 LAGO LAeq LAeq SS30 Hz (Incl +1.6 dB correction)	P.AVOREW	12 AFTER 17-15 APPEND JUSTIC BUSTLE B	04 12304 1004
04-10-2023 22:15 Night: NML10 SVAN 977A SN-60756 18.7 1 0 20.2 74 63 64 04-10-2023 22:20 Night: NML10 SVAN 977A SN-60756 19.1 2 0 20.1 75 63 64	61 58 51 55 61 58 50 54	1.4 Comments (dominant/hoteworthy sources). 40 Check, above 50 dBA Wind, Ran - Exclude	4 8 13 16 19 22 24 25 27 33 34 24 41 43 44 45 45 45 45 45 45 45 45 45 27 37 38 40 41 43 44 45 45 45 45 45 45 45 45 45 45 45 45	32 27 20
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05-10-2023 18:30 Sweenp NAX.10 SWAN 3774 SN 60756 72 72 150 0 18 44 67 69 65 10-2023 18:40 Sweenp NAX.10 SWAN 3774 SN 60756 7 72 150 0 18 44 67 69 69 69 10-2023 18:40 Sweenp NAX.10 SWAN 3774 SN 60756 7 18:0 172 46 51 52 51 52 65 10-2023 19:00 Sweenp NAX.10 SWAN 3774 SN 60756 7 72 18:8 0 16:7 40 55 57 67-10-2023 19:13 Sweenp NAX.10 SWAN 3774 SN 60756 7 10-2023 19:13 Sweenp NAX.10 SWAN 3774 SN 60756 7 10-2023 19:13 Sweenp NAX.10 SWAN 3774 SN 60756 7 10-2023 19:13 Sweenp NAX.10 SWAN 3774 SN 60756 7 10-2023 19:13 Sweenp NAX.10 SWAN 3774 SN 60756 7 10-2023 19:13 Sweenp NAX.10 SWAN 3774 SN 60756 7 10-2023 19:13 Sweenp NAX.10 SWAN 3774 SN 60756 7 10-2023 19:13 Sweenp NAX.10 SWAN 3774 SN 60756 7 10-2023 19:13 Sweenp NAX.10 SWAN 3774 SN 60756 7 10-2023 19:13 Sweenp NAX.10 SWAN 3774 SN 60756 7 10-2023 19:13 Sweenp NAX.10 SWAN 3774 SN 60756 7 10-2023 19:13 SWAN 3774 SN 60756 7 10-2023 19:1	52 48 34 44 49 43 33 40 52 42 33 40	40 RTN, Birds - Exclude 34 RTN, Birds - Exclude	11	9 7 5
05-10-2023 19:15 Evening NML10 SVAN 977A SN-69756 6.1 203 0 16.3 50 58 59 05-10-2023 19:30 Evening NML10 SVAN 977A SN-69756 6.8 188 0 15.9 51 57 58	52 46 33 42	36 RTN, Birds - Exclude 39 RTN - Exclude	-3 -1 1 4 8 10 17 18 18 21 21 21 25 29 32 34 35 33 29 27 24 29 26 26 20 18 15	11 7 4 11 8 4
05-10-2023 15-45 Swermin SAAL 10 SUNA 977A 594 69795 8.3 150 0 15.5 52 776 80 05-10-2023 000 Swermin SAAL 10 SUNA 977A 594 69795 6.3 150 0 15.1 5.3 55 55 05-05-10-2023 2015 Swermin SAAL 10 SUNA 977A 594 69795 4.7 150 0 154 5.5 57 78 83 05-10-2023 2015 Swermin SAAL 10 SUNA 977A 594 69795 4.7 150 0 1445 55 778 83 05-10-2023 2015 Swermin SAAL 10 SUNA 977A 594 69795 4.3 201 0 1442 55 55 57 78 83 05-10-2023 2015 Swermin SAAL 10 SUNA 977A 594 69795 4.3 201 0 1442 55 55 57 78 83 05-10-2023 2015 Swermin SAAL 10 SUNA 977A 594 69795 4.3 201 0 1442 55 55 57 80 000 000 000 000 000 000 000 000 000	50 45 32 49 51 44 33 41	Nearby Activity, RTN - Exclude RTN - Exclude At Nearby Activity, RTN - Exclude		10 13 9 11 8 5
05-10-2023-20:15 Evening MML 10 SUAN 977A SNE0756 4.7 196 0 14.6 55 78 83 05-10-2023-20:36 Evening MML 10 SUAN 977A SNE0756 4.3 201 0 14.2 56 55 55 57 05-10-2023-20:46 Evening MML 10 SUAN 977A SNE0756 5.0 183 0 13.9 57 56 56	60 44 32 48 49 39 28 37 47 39 29 36	45 REESTS ACTIVE, RT N - EXCLUSION 27 RT N - 3 min encluded 28 RT N - 5 min encluded		9 7 4 10 7 4
05-10-2023 21:00 Evening NML 10 SVAN 977A SN-60756 3.6 186 0 13.7 58 57 58 05-10-2023 21:15 Evening NML 10 SVAN 977A SN-60756 4.7 187 0 13.5 57 62 62	47 39 29 36 52 44 31 40 51 45 29 41	39 RTN - Exclude 40 RTN - Exclude	4 1 1 4 10 11 17 16 19 22 21 22 22 22 22 21 19 16 14 14 1 1 1 5 8 9 22 17 17 18 20 22 22 23 23 23 24 22 22 22 21 19 16 16 14 14 1 1 5 8 9 23 17 16 20 24 25 25 25 25 25 25 25 25 25 25 25 25 25	10 7 4
05-10-2023 21:30 Evening NML10 SVAN 977A SN:69756 4.7 193 0 13.3 58 57 61 05-10-2023 21:45 Evening NML10 SVAN 977A SN:69756 5.8 184 0 13.3 56 56 58		37 Wind - Exclude 22 RTN - 5 min excluded	-4 -1 -1 3 8 8 13 15 16 19 20 19 22 28 31 32 32 31 28 25 21 21 21 22 16 15 15 12 -5 3 0 3 8 7 9 12 15 15 15 16 19 22 28 30 32 30 27 22 21 20 21 20 21 20 16 16 15 14	10 7 4 10 7 4
05-10-2023 22:00 Evering NML 10 SVAN 977A SN 69756 7:9 187 0 13.2 56 57 58 05-10-2023 22:15 Night NML 10 SVAN 977A SN 69756 5.4 188 0 13.2 54 50 52	48 40 30 37 44 36 29 34	39 RTN - 4 min excluded 39 Ok, SSO dBA RTN - 5 min excluded BTN Word, Marchanist noise audible in background Rela-	-5 -4 0 4 9 14 15 13 21 22 18 19 22 22 23 23 23 23 22 22 21 21 21 22 18 17 14 15 3 21 22 22 23 24 26 27 24 20 19 19 19 19 19 17 15 13	10 7 4 10 7 4
05-10-2023-22-30 Night NML10 SUAN 977A SN-60756 6.5 194 0 12.8 55 50 52	45 34 29 34	RTTN, Wind. Machanical noise audible in background, likely evaporation cannons based on NML4 and NML10, can be detected until 1 am - 1 min excluded		10 7 4
05-10-2023 22-45 Night NML10 SVAN 977A SNE9756 4.7 190 0 12.6 55 50 52 05-10-2023 23:00 Night NML10 SVAN 977A SNE9756 5.4 192 0 12.3 56 74 76	45 34 29 33 61 44 27 48	30 Cit, SSD dBA Wind, RTN - 1 min excluded 44 Chan's above 50 dB4 RTN Nearby Scholar Extraporary Lightness Farbure	-4 4 9 6 10 1 15 15 16 11 16 15 12 -24 22 24 25 26 27 15 17 17 17 18 17 17 18 17 17 17 18 17 17 17 18 17 17 17 17 18 17 17 17 17 18 17 17 17 18 17 17 17 17 17 17 17 17 17 17 17 17 17	9 7 5 16 11 7
	45 31 24 32 50 45 25 48	25 Check, above 50 dBA RTN, Extraneous LAmix - 2 min excluded 29 Check, above 50 dBA Nearby Activity, RTN, Extraneous LAmix - 5 min excluded	46 4. 22 2 8 6 8 9 14 11 15 17 19 27 27 22 20 22 22 22 22 23 16 15 15 13 13 12 15 15 15 14 15 22 22 22 22 23 23 24 25 25 16 16 15 13 13 12 15 15 15 14 14 15 22 21 21 23 25 30 32 33 34 40 30 37 33 34 33 35 28 23 15 15 15 15 15 15 15 15 15 15 15 15 15	9 6 4 16 10 6
05-10-2023-23-45 Night Natl.10 SVAN 977A SR40756 3.6 142 0 11.9 54 55 58 06-10-2023-00 Night Natl.10 SVAN 977A SR40756 3.6 152 0 11.5 56 33 33 60 66-10-2023-01 Night Natl.10 SVAN 977A SR40756 6.1 174 0 11.5 56 55 55 56	43 31 25 31	26 Check, above 50 6BA RTN, Editaneous LAvax - 2 min aududed 27 Dk, 500 6BA RTN, Editaneous LAvax - 5 min aududed 30 Check, above 50 6BA RTN, Editaneous LAvax - 5 min aududed	-8 6 2 2 2 8 6 8 11 10 12 14 13 15 22 24 22 22 21 21 10 16 15 15 14 13 12 10 10 10 10 10 10 10 10 10 10 10 10 10	8 6 4 9 6 4
06-10-2023 0:30 Night NML10 SVAN 977A SN-62756 6.5 167 0 11.1 59 53 54	47 35 28 35	31 Check, above 50 dBA RTN, Wind, Estraneous LAmes - 1 min excluded	4 -1 2 5 9 10 12 14 16 17 19 18 22 26 28 28 28 24 22 21 20 20 20 19 17 16 13	9 6 4 11 8 4
05-10-2023 1:00 Night NML10 SVAN 977A SN:E9755 2.2 111 0 10.4 51 55 57	40 35 28 33 52 34 26 37	23 DK, S30 dBA RTN, Wind - 5 min excluded 28 Check, above 50 dBA RTN, Estrancous LAmex 1 min excluded	-2 0 3 7 10 11 33 14 15 16 16 18 17 19 22 22 23 29 23 29 22 26 20 20 21 20 16 17 14 4 6 9 11 12 19 23 24 22 23 27 30 31 29 27 25 29 18 16 16 16 15 14 13 11	9 6 4
06-10-2023 1-15 Night NAX-10 SVAN 977A 5N 69796 1.4 134 0 10.1 63 53 54 06-10-2023 1-30 Night NAX-10 SVAN 977A 5N 69796 1.1 150 0 9.8 64 32 36 06-10-2023 1-30 Night NAX-10 SVAN 977A 5N 69796 1.1 150 0 9.8 64 32 36 06-10-2023 1-34 Night NAX-10 SVAN 977A 5N 69796 1.4 24 0 9.3 67 55 55 6	50 38 21 37 26 23 21 22	27 Check, above 50 dBA RTN. Evaporation cannors atop around 1:04 am - 4 min excluded 19 Ok, 550 dBA	-0 6 3 3 6 7 9 12 20 20 22 22 22 23 31 27 26 22 22 21 17 16 13 12 11 10 11 17 17 4 1 7 3 4 5 4 4 4 6 10 9 9 10 9 9 9 10 10 11 12 12 12 11 11 10	16 16 4 8 6 3
06-10-2022 1-45 Nobit NRL 10 SURN 977A SNE07755 1.4 24 0 9.3 67 55 56 06-10-2022 2-00 Nobit NRL 10 SURN 977A SNE07755 2.2 82 0 9.3 67 37 38 06-10-2022 2-15 Nobit NRL 10 SURN 977A SNE0775 2.2 107 0 9.2 66 43 45	49 33 21 35 27 26 23 25 28 25 22 25	22 Check, above 50 dBA RTN, Extraneous LArrax - 2 min excluded 22 Ck, 500 dBA 22 Ck, 500 dBA	-7	8 6 3 8 6 3
			-8	9 9 4 9 6 4
06-10-2023 2-45 Najhi NML10 SUNN 977A SNE03795 2.2 125 0 8.6 70 55 57 06-10-2023 2-30 Najhi NML10 SUNN 977A SNE03796 2.5 224 0 7.8 77 46 47 06-10-2023 2-15 Najhi NML10 SUNN 977A SNE03796 2.5 224 0 7.8 77 46 47 06-10-2023 2-15 Najhi NML10 SUNN 977A SNE03796 2.5 225 0 7.8 77 3 3 40	51 41 23 39 41 28 20 28 24 22 20 21	22 Chrick, 1809v9 30 GBA ESPIRAGUE LAreas LAreas - 3 min excluded 25 Chrick, 1900 GBA RTN, Edwansous LAreas - 3 min excluded 26 Cit, 190 GBA RTN, Edwansous LAreas - 3 min excluded 26 Cit, 190 GBA	-8 4 2 4 8 7 15 15 20 28 22 20 22 20 31 33 33 20 27 22 20 17 17 15 14 13 12 10 10 10 10 10 10 10 10 10 10 10 10 10	8 6 3 8 7 4
06-10-2023 3:30 Naght NML10 SVAN 977A SN-69756 1.1 75 0 7.6 77 52 54	41 27 20 29	25 Check, above 50 dBA Extraneous Limax	42 4 4 8 2 0 7 3 3 5 7 8 11 13 17 20 21 22 20 56 13 13 13 12 12 11 10	8 6 3

End Time T	Time	Location Logger	14	Ane Weathe	er Data		Raw 15-minute Statistics	Deta	Logsum LAeq15m	Lmax Requires Further Review		Raw LAug 1	tánin 1/3 Spectru	am .										
P	Period		W	Wind Speed	Wind Raints Direction (mm)	all Temp Humidit (oC) (%)	ty LAmax LAmax LA1	LA10 LA90	LAng Lang SS30 Hz (incl +1.5 dB	Review		20Hz 25	5Hz 31.5Hz	40Hz 50Hz 63	Hz 80Hz	100Hz 125Hz	z 160Hz 200Hz 250Hz 315Hz	400Hz 500H	z 630Hz	800Hz 1kHz 1.25kHz	1.6kHz 2kHz 2.5kH	z 3.15kHz HkHz	RHZ 6.3kHz 8kHz	10kHz 12.5kHz 16kHz
			,		Discion (intri)	(00)			correction)															
OF 10 2022 2-45 M	Market 1	NAME OF THE OWNER, OF THE	*******				70 30 31	34 34 33	1.0	Ch. can alla	Comments (dominant/noteworthy sources).			10 7									13 13	
06-10-2023 4:00 N	Night I	NML10 SVAN 977A	N:69756	1.1	282	0 7.7	76 54 56	44 26 21	31 23	Check, above 50 dBA Check, above 50 dBA	Extraneous LAmax	-12	4 4	4 3	0 4	4	5 7 9 9 13	15 3	20 22	24 26 22	18 15	4 14 13	12 12	10 8 6 3
06-10-2023 4:15 N	Nght 1	NML10 SVAN 977A: NML10 SVAN 977A: NML10 SVAN 977A:	NEGITSE	1.5	278	0 7.2	79 55 57	51 39 19	37 24	Check, above 50 dBA	RTN, Extraneous LAmax - 3 min excluded	-13	-10 -7	-3 5	0 7	7 1	11 17 17 17 17	23 :	30	30 29 20	23 18	4 13 11	11 10	3 9 9 3
				22	356	0 5.7	77 52 54 81 55 56	48 42 19 48 42 19	37 2	Check, above 50 dBA Check, above 50 dBA	RTN, Extraneous LAmax - 5 min excluded RTN, Birds, Extraneous LAmax - 4 min excluded	-15	-12 -0	-6 5	5 10	10 1	2 15 16 15 17 5 16 16 16 16	23 2	85 32 86 29	31 28 27	22 18	5 15 14	10 10	9 8 6 3
05-10-2023 5:00 N	Vight 1	NML10 SVAN 977A : NML10 SVAN 977A :	N-62756	4.0	236	0 63	80 60 61	53 47 25		Check, above 50 dBA Check, above 50 dBA	RTN, Birds, Extraneous LAmax - 5 min excluded	-10	-7 -3	-1 4	11 15	14 1	9 25 22 22 2	30 :	14 34	34 33 32	32 35	50 25 27	27 16	11 8 6 3
06-10-2023 5:15 N	MgM I	NML10 SVAN 977A: NML10 SVAN 977A:	N-62756	4.0	12	0 59	81 65 67	57 49 34 62 51 33	46 41	Check, above 50 dBA Check, above 50 dBA	RTN, Birds, Extraneous LAmex - Exclude	-13	4 6	-1 11	17 24	16 2	10 26 35 29 25 10 23 33 29 24		29 31	23 25 25	35 38	15 38 36 10 42 45	35 24	16 10 6 3
06-10-2023 5:45 N	Night I	NML10 SVAN 977A: NML10 SVAN 977A:	N:69756	3.2	32	0 7.4	80 64 67	53 47 34	44 31	Check, above 50 dBA Check, above 50 dBA	RTN, Birds, Extraneous LAmex - Exclude	-10	4 4	1 7	8 13	12 1	5 24 19 18 10	24 2	29 32	34 31 33	33 35	11 34 34		29 22 7 4
				2.2	5	0 7.2	81 70 71	50 50 39 50 51 42	49 41	Check, above 50 dBA Check, above 50 dBA	Arcraft, RTN, Birds - Exclude	-10	3 4	2 5	8 14	21 1 20 2	19 20 21 22 23 10 28 22 25 26	25 :	35 25	38 36 37 42 40 37	35 41	10 39 42 11 55 57		24 21 10 5
05-10-2023 6:15 N	MgM.	NML10 SVAN 977A	N-63756 N-63756	2.5	356	0 7.6	81 95 97 78 71 72	58 51 42	40 40	Check, above 50 dBA	Arcraft, RTN, Birds - Exclude Birds - Exclude	-10	4 4	5 7	9 18	20 2	10 28 22 25 26 18 25 21 21 3	25 :	13 38	42 40 33 38 30 40	38 36 ·	11 55 57	49 46 30 22	43 37 28 19 20 21 6 3
06-10-2023 6:45 N	Nght I	NML10 SVAN 977A	NEGITSE	0.7	251	0 8.8	69 72 73	61 52 35	40 30	Check, above 50 dBA Check, above 50 dBA	Birds, RTN - Exclude	-5	-2 1	4 5	8 10	12 1	3 16 17 19 22	26 :	35	39 39 40	43 44	50 31 29	24 20	16 13 6 4
06-10-2023 7:00 N	MgM 1	NML 10 SVAN 977A I NML 10 SVAN 977A I	N-62756	2.9	242	0 10.9	71 73 74	58 50 36	45 31	Check, above 50 dBA	Birds - Exclude	-7	4 1	2 5	7 12	13 1	4 15 18 19 2	24 :	22 22	38 38 37	41 41	9 37 31	24 21	15 16 15 5
06-10-2023 7:30 0	Day 1	NML10 SVAN 977A	N: 52755	4.7	195	0 11.8 0 12.7	E0 58 E0	51 45 35	42 3			-10	4 4	5 7	10 14	19 2	10 17 17 17 17	18	23 25	32 32 33	31 32	33 35 33	25 21	17 24 24 11
05-10-2023 7:45 0	Day	NML10 SVAN 977A	NEGATSE	4.0	163	0 13.5	58 80 81	58 48 34	51 33 43 31		RTN - 1 min excluded	-5	3 2	7 10	18 25	23 2	6 27 29 32 3	35	17 41	43 42 43	43 42	19 39 35	30 26	21 24 28 13
06-10-2023 8:15 0	Day 1	NML10 SVAN 977A	NEGITSE	5.1	158	0 14.5	47 71 72	58 47 33	47 30			-11	4 4	0 2	6 10	9 1	0 10 13 12 13	18 3	20 25	29 31 34	36 41	11 41 34	29 24	19 19 24 10
06-10-2023 8:30 0	Day 1	NML10 SVAN 977A	N:63756	4.0	160		45 72 75	57 49 34	48 3		RTN - 2 min eacluded	-11	4 2	0 3	7 10	22 2	25 26 26 2		50 31	32 32 43	40 40	37 37 33	29 24	20 15 8 5
05-10-2023 8:45 0	Day 1	NML10 SVAN 977A: NML10 SVAN 977A: NML10 SVAN 977A:	IN-EGTSE IN-EGTSE	4.0	164	0 17.2 0 17.9 0 18.5	44 76 77	70 59 33 58 49 30	56 34		Local Engine Noise - 5 min excluded	-9	-2 3	8 12	19 28	35 4 5	5 6 7 8 9	45 4	43	39 35 36 21 24 25	40 42	12 42 38	35 30 28 23	26 19 10 6 20 18 8 8
06-10-2023 9:15 0	Day 1	NML10 SVAN 977A	N:53755	43	177	0 18.5	51 64 67	58 47 31	45 37	7		-9	4 1	2 5	10 15	20 2	16 30 29 20 2	21 :	23 24	23 30 27	34 39	20 30 33	25 22	16 11 8 7
				5.4	235	0 19.2	51 65 68	53 44 30	42 32			-7	3 1	2 6	11 15	17 2	12 24 23 16 15 13 23 20 24 20	19 :	21 22	25 25 27	25 31	33 39 35	26 21	16 11 7 7
06-10-2023 9:45 0	Day	NML10 SVAN 977A	N:59755	47	91		48 64 69	50 40 30	45 25			-10	3 4	-1 5	7 11	19 2	9 9 9 12 13	15	1 24	24 25 37	41 40	12 34 31	25 22	17 17 20 10
06-10-2023 10:15 0	Day	NML10 SVAN 977A	N:63756	5.0	65	0 21.3	46 75 77	59 52 34	50		Local Engine Noise - 5 min excluded Local Engine Noise - 1 min excluded	2	5 4	8 13	16 24	31 3	18 40 42 36 34	31 3	12 32	30 29 31	38 34	54 35 45	35 25	17 15 10 8
06-10-2023 10:30 0	Day 1	NML10 SVAN 977A :	IN-EGTSE IN-EGTSE	6.1	96	0 21.6	45 55 59	53 45 30 52 43 31	45 2		Local Engine Noise - 1 min excluded	-4	-1 2	3 7	13 17	25 3	14 38 41 36 31 15 24 16 18 11	37 :	15 33	30 27 25 24 24 25	36 33	11 33 30 10 35 30	26 21	19 14 11 10
06-10-2023 11:00 0	Day 1	NML10 SVAN 977A	N:69756	5.4	59	0 21.9 0 22.1 0 23.3	44 68 71	57 44 31	44 31			-10	3 4	-1 3	5 15	17 1	4 12 17 18 22	21 2	20 25	25 26 25	35 40	37 37 30	25 24	18 16 13 10
06-10-2023 11:15 0	Day	NML10 SVAN 977A	N:50755	4.7	67	0 23.3	40 71 75 41 72 73	52 44 30 50 50 30	45 25		RTN - 1 min eacluded	-5	3 4	0 4	7 9	9 1	13 12 12 14 14 13 22 24 24 25	17	30 24 33 37	25 31 37 39 39 36	35 44 40 39	11 41 34 50 42 39	25 25	22 19 16 13
06-10-2023 11:30 D	Day	NML10 SVAN 977A	N:59756	7.9	160	0 229	41 69 73	61 49 31	48 31		KIN-1 mn excused	-10	4 1	-1 6	13 18	20 2	13 24 24 24 25 12 22 16 19 17	17	37	24 25 ×	33 34	90 42 39 97 45 41	30 27 34 32	22 20 17 6
06-10-2023 12:00 0	Day	NML10 SVAN 977A	N-60756	3.5	276	0 24.3 0 22.8	38 70 71 42 59 61	65 57 32 53 41 36	53 25 40 28			-6	3 4	2 7	9 11	12 1	2 13 12 13 12 11 11 11 12 13	18 :	20 24	28 37 46 24 23 25	47 47	10 40 37 14 31 31	25 32 27 26	27 29 30 20
06-10-2023 12-15 0	Day	NML10 SVAN 977A I	N-60756	4.7	161	0 22.8	42 59 61	53 41 30	40 21		·	- 4	3 0	3 6	7 10	10 1	1 11 11 12 13	15	18 24		29 34	9 31 31	27 25	25 24 22 16
06-10-2023 12-45 0	Day	NML10 SVAN 977A	N-69756	4.0	35	0 22.5	42 61 63 38 62 64	53 41 36 52 42 25 52 43 30	41 21			4	-1 0	2 4	6 9	13 1	14 19 14 17 17 16 13 12 19 13	15	17 19	26 26 33 22 24 30	32 33 35 33 32 30	90 31 29 90 31 31	27 28	27 27 26 21
06-10-2023 13:00 0	Day	NML10 SVAN 977A	N:69756	6.5	136		37 58 60		39 31			-3	0 2	4 5	9 12	12 1			22 25	25 25 25	32 30	29 32 29	22 18	15 15 15 9
6:10-2023 10:00 6:10-2023 10:00	Day	NML10 SVAN 977A :	N:69756	2.2 6.5	176	0 25.5 0 24.1 0 24.2	35 60 62 37 58 61	53 42 30 49 43 33	41 33			- 5	0 2	3 7	7 17	23 1	19 18 18 20 18 19 20 15 17 10	17	24 25	23 24 31 27 27 27	35 35 32 31	50 31 27 51 33 28	22 19	15 15 14 8
06-10-2023 13:45 0	Day	NML10 SVAN 977A	N-69756	25		0 24.2	36 59 60	52 43 35	42 32			- 4	3 5	6 8	11 15	13 1	5 21 18 21 2	23			34 33		25 24	16 18 20 11
06-10-2023 14:00 0	Day	NML10 SVAN 977A	N-69756	7.2	251	0 25.6	23 65 67	54 46 33	43 3			-4	4 1	4 7	8 12 10 12	15 1	15 21 16 21 20 14 17 17 19 20 14 18 19 18 10 14 14 16 17 17	22	36 28 34 26 35 28	31 32 33	36 37 35 38 29 34	5 34 30	23 22	15 18 19 10 18 17 17 9
06-10-2023 14:30 0	Day	NML10 SVAN 977A	N:59755	11.9	272	0 25.4	33 67 69 32 64 68	57 46 33 50 43 34	40 33			-3	1 5	3 7	12 10	11 1	4 14 16 17 15	21	5 25	28 29 31 31 31 31	29 34	56 40 33 52 32 29	24 21	15 17 17 9 16 13 10 9
06-10-2023 14:45 0	Day 1	NML10 SVAN 977A	N:50755	8.3	241	0 25.7	31 62 64	58 46 34	45 3		RTN - 2 min excluded	0	4 5	7 9	14 16	32 3	13 32 35 32 30	31 :	52 33	35 34 31	31 32	11 33 30	25 22	17 14 11 8
06-10-2023 15:00 0	Day	NML10 SVAN 977A	N-69756 N-69756	7.5	194	0 25.5	31 58 60	52 45 35 58 47 35	42 34	4		- 4	4 5	7 8	12 14	14 1	5 16 17 19 21 18 24 19 18 20	22 2	29 25 25	31 31 35	33 33	52 34 30 95 40 43	25 21	17 15 16 8 28 17 17 8
06-10-2023 15:15 0 06-10-2023 15:15 0 06-10-2023 15:30 0 06-10-2023 16:00 0 06-10-2023 16:15 0 06-10-2023 16:30 0	Day	NML10 SVAN 277A	N:50755	7.9	155	0 25.7 0 25.5 0 25.5 0 25.9 0 25.6	29 73 74 29 73 75	52 45 35 58 47 35 59 47 34 61 48 34	47 32			-4	-1 1	2 6	9 11	11 1	18 24 19 18 20 17 18 15 17 18 17 24 23 20 23	19 :	22 27	30 33 38 34 33 34	40 42 37 41	11 38 34 13 40 40	25 24 34 25	18 15 15 8 24 15 10 10
06-10-2023 15:45 0	Day	NML10 SVAN 977A	N-69756	8.3	163	0 25.4	29 73 75 29 63 67	51 45 34 51 45 35	45 3		RTN - 2 min excluded	-3	0 2	4 6	15 15	16 1	7 24 23 20 22	24 :	29 32	34 33 34	37 41	40 40 44 35 34	34 25	24 15 10 10
06-10-2023 16:15 0	Day 1	NML10 SVAN 977A	N:50755	8.3	207	0 25.9 0 25.6 0 25.6	30 67 69	51 45 35 54 46 35 49 44 33	43 3			3	3 6	7 9	14 12	15 1	13 15 16 18 20 17 16 19 18 20 12 22 21 21 21	23	35 25	31 30 25	30 30 28 29 29 29	94 36 34 97 38 36 98 31 29	28 20	17 12 9 6
06-10-2023 16:30 0	Day	NML10 SVAN 977A	N:50755	2.0	207	0 25.6	30 57 59	54 46 35 49 44 33	41 30			-5	-2 2	4 6	11 18	19 2	2 22 21 21 21	22 ;	30	31 30 25 32 32 31	29 29	31 29	23 15	14 13 10 6
06-10-2023 16:45 0 06-10-2023 17:00 0 06-10-2023 17:15 0	Day	NML10 SVAN 977A : NML10 SVAN 977A :	N:69756 N:69756	7.2	212	0 25.7 0 25	30 68 70 30 62 65	54 46 35 52 47 35	44 3		RTN - 3 min excluded	-2	0 2	5 6	10 19	23 1	15 16 17 18 11 19 21 22 23 24	21 2	S 29	32 31 32	34 40	9 33 33	23 20 25 20	15 13 11 6 16 12 8 5
05-10-2023 17:15 0	Day 1	NML10 SVAN 977A	N:50755	2.7	200		30 75 78	52 45 35	45 33		RTN - 1 min excluded	-7	-5 -2	1 6	10 17	23 2	11 19 22 22 22	23 :	32	36 35 33	33 31	52 35 37	28 24	23 16 10 6
06-10-2023 17:30 0	Day 1	NML10 SVAN 977A : NML10 SVAN 977A :	N-60756 N-60756	2.0	193	0 24 0 23.6	31 95 97	55 49 35 50 45 33	61 3		RTN, Local Engine Noise, Dogs - 5 min excluded	-5	-1 9	5 16	25 27	34 4	11 19 22 22 22 13 42 35 39 40 10 23 20 20 21	40 :	55 50 75 33	50 50 57	52 49 29 29	15 37 33 35 30 29	27 25 22 18	23 19 11 8 13 9 7 4
				6.5	190		34 66 68	55 45 36	46 3			-12	4 7	1 9	8 17	15 1			27 31		37 36	55 39 35	28 22	16 10 7 4
06-10-2023 18:15 E	Evening	NML10 SVAN 977A: NML10 SVAN 977A: NML10 SVAN 977A:	N-62756	4.7	195	0 21.9 0 21.3 0 20.6	34 65 70	54 50 36 52 48 40	47 30		RTN, Birds - Exclude	-14	-11 -7	4 9	8 14	16 1	17 21 22 21 22 14 28 23 20 21 15 18 17 17 20	25 :	11 35	37 35 33	32 34 31 30	9 41 37	32 24	17 12 7 4
06-10-2023 18:45 E	Evening	NML10 SVAN 977A	N:53755	5.5	208	0 20.6	34 53 54	49 46 41	44 31		RTN, Birds - Exclude	-10	4 4	3 4	7 10	19 1	8 18 17 17 20	25 :	33 37	34 34 31	28 22	37 40 33	19 16	13 10 7 4
06-10-2023 19:00 E	Evening	NML10 SVAN 977A: NML10 SVAN 977A: NML10 SVAN 977A:	N:62756	6.5	197	0 20.1 0 19.3 0 18.7	31 59 61	52 45 44	47 40		RTN, Birds - Exclude	-9	5 4	1 4	13 17	15 1	18 26 22 22 23	25 :	33 35	36 33 31	29 24	57 44 31	18 17	12 9 7 5
06-10-2023 19:30 E	Evening	NML10 SVAN 977A	N:59755	7.9	193	0 19.3	32 51 53	49 40 42	46 3		RTN - 4 min excused	-11	4 4	1 7	8 13	11 1	5 17 20 18 15	20 2	5 29	31 29 25	22 19	9 43 30	17 15	11 9 7 4
05-10-2023 19:45 E	Evening	NML10 SVAN 977A	N:63756	9.7	130	0 18.6	37 48 49 54 52 53	46 44 33 49 45 42	42 3		RTN - 4 min excluded RTN, Wind - 2 min excluded	-9	-3 0	1 3	6 13	11 1	13 14 15 17 19 16 18 20 21 21	21 : 23 :	35 29	30 28 24	22 20	37 38 29	18 15 23 22	12 9 7 4
06-10-2023 19-45 E 06-10-2023 20:00 E 06-10-2023 20:15 E	Evening	NML10 SVAN 977A	N-62756	10.1	51	0 19.1		49 45 42 47 45 41	43 3		RTN, Wind - 2 min excluded	2	5 7	8 10	11 13	15 1	16 18 20 21 21 19 20 21 21 21	23 2	25 25	29 29 27	25 24 24 24	99 41 28 99 39 28		18 13 8 5 18 13 9 5
06-10-2023 20:30 E	Evening	NML10 SVAN 977A	N:69756	9.4	77	0 18.5	66 48 50	45 43 35	41 3	4	Wind	5	7 9	10 12	13 15	17 1	8 20 21 22 22 19 21 23 24 24	23 2	26 25 26 27	27 28 27	26 26 27 27	18 34 28	25 24	20 15 9 5
06-10-2023 20:45 8	Evening	NML10 SVAN 977A : NML10 SVAN 977A :	N:63756	8.3	76	0 18	EQ 50 52	45 42 38	40 35 39 34		Wind	- 6	9 10	11 13	14 16	15 1	19 21 23 24 24 17 18 20 21 22	24 2	35 27	25 25 25	27 27	55 30 28	26 24	21 16 11 6
06-10-2023 21:15 E	Evening	NML10 SVAN 977A	N:59755	9.7	81	0 17.5	74 46 47	43 40 33	37 31		Wird	0	2 3	5 8	9 12	14 1	5 16 17 19 15	21 2	25	26 26 25	24 23	1 27 25	22 21	20 15 10 6 17 13 8 5
06-10-2023 21:30 E	Evening	NML10 SVAN 977A : NML10 SVAN 977A :	N:63756	9.4	76	0 16.9	75 44 46	39 36 30 45 35 28	34 27	7		-6	6 4	0 5	5 7	2 1	10 11 12 13 15 11 12 12 12 13	16	23 25 18 20 17 29	22 24 22 27 23 18	19 19 16 16	25 25 23 26 24 21	18 17	14 10 7 4
06-10-2023 21:45 E	Evening	NML10 SVAN 977A	DE EGITSE	6.5	83	0 15.9	76 47 49	45 35 28 42 37 31	34 2 35 3		Birds - 5 min excluded Wind - 4 min excluded	-5	3 -1	8 10	12 14	9 1	11 12 12 12 12 13 14 21 19 19 20	20	17 29	27 23 18	16 16	26 24 21 25 24 23	20 19	12 9 6 4
06-10-2023 22:15 N	Night I	NML10 SVAN 977A : NML10 SVAN 977A : NML10 SVAN 977A :	N-62756	8.3	54	0 15.7	79 45 45	43 39 35 46 39 34	37 34	Ok, SSO dBA Check, above 50 dBA		5	7 9	10 12	14 15	17 1	19 20 21 22 23 18 19 20 21 21		24 27	28 28 28 28 28 28	25 25 25 24	27 26 25 26 25 24	24 22 23 21	18 13 8 4
06-10-2023 22:30 N	Night 1	NML10 SVAN 977A	N-69756	9.0	82	0 15.5	79 60 65	46 39 34	37 33	Check, above 50 dBA	Bird LAmer, Wind	- 4	6 8	9 11	13 15	17 1	8 19 20 21 21	21 2	25	28 28 28	25 24	25 25 24	23 21 20 19	17 17 26 22
06-10-2023 23:00 N	Vaht 1	NML10 SVAN 977A : NML10 SVAN 977A : NML10 SVAN 977A :	N-59755	8.5	78	0 15.5 0 15.4 0 15.4	79 44 46	43 37 30 39 37 31 40 37 25	34 31	Ok, 550 dBA Ok, 550 dBA	Wind	2	5 6	8 10	12 14	16 1	6 17 18 18 19 7 19 19 20 20 8 18 18 18 18	20 2	22 25 22 23 21 23	26 26 24 23 23 22 26 26 22	22 22 22 22 22 22	04 23 22 23 24 22 04 23 22	21 20	16 11 7 4
06-10-2023 23:15 N	Vight 1	NML10 SVAN 977A	IN-ESTSE	9.7	77	0 15.4	79 52 53	40 37 25	35 31	Ok, 550 dBA Check, above 50 dBA	RTN LAmex, Wind	2	4 5	7 9	10 13	15 1	8 18 18 18 18	19	21 23	26 26 22	22 22	14 23 22	21 20	16 11 7 4
06-10-2023 23:30 N	Maht I	NML10 SVAN 977A : NML10 SVAN 977A : NML10 SVAN 977A :	N-69756	9.0	52	0 15.4	80 45 50 81 48 49	44 39 32 42 39 31		OK, 550 dBA OK, 550 dBA	wind Wind	3	5 7 5 K	8 10	12 14	15 1	7 19 20 20 20 7 18 19 20 20	21 2	25 24	27 28 25 26 25 74	24 23	5 24 23 5 24 23	22 20	10 12 8 4 17 13 8 4
07-10-2023 0:00 N	Nght	NML10 SVAN 977A	N-60756	83	68		82 46 47	41 35 31	36 33	Ok. 550 dBA	Wind	4	6 8	9 11	13 15	17 1	8 20 21 21 21	22 :	23 24	25 24 24	24 24	25 25 24	23 21	18 13 9 5
07-10-2023 0:15 N	Mght I	NML10 SVAN 977A : NML10 SVAN 977A :	DN-60756	10.4	73	0 15.2	82 48 49 82 51 52	43 36 25 42 38 31	34 31 36 33	Dk, S50 dBA Check, above 50 dBA	Wind Extraneous LAmax Wind	2	4 5	7 9	11 13	15 1	16 18 18 18 18 19 20 20 21 21	19 3	22 24 23 24	25 24 22 25 25 26	21 21 23	23 22 20 24 24 24	19 18 22 21	14 11 7 4 17 12 8 4
				10.4	77	0 15.1	82 49 50	39 35 29	33 30	Ok, 550 dBA	Wind	1 2	4 6	7 9	11 13	15 1	16 17 18 18 18	18	21	22 21 21	20 20 :	22 22 20		14 10 7 4
07-10-2023 1:00 N	Night II	NML10 SVAN 977A : NML10 SVAN 977A :	N-69756	9.0	77	0 149		41 32 26 47 35 26		Ok, s50 dBA Check, above 50 dBA	BTM I Amount of selected and	1 2	0 2	4 7	5 9	11 1	3 14 14 15 15 12 13 16 16 16		18 20 22 26	22 23 19 29 28 25	18 17 22 19	30 19 18 30 16 17	16 15 15 14	12 9 7 4 11 9 6 4
07-10-2023 1:30 N	Nght I	NML10 SVAN 977A	N-69756	2.0	73		83 43 47	37 35 27	32 20	OR KNOWBA		-3	4 1	4 7	9 11	12 1	3 14 14 15 17	18	20 22	22 21 21	20 20	21 21 21	19 15	14 10 7 4
07-10-2023 1:45 N	MgM	NML10 SVAN 977A: NML10 SVAN 977A: NML10 SVAN 977A:	N-69756	7.9	73	0 145 0 144 0 141		40 34 26	32 21	Dk, 550 dBA Ok, 550 dBA		-1	1 3	4 7	9 11	12 1	3 14 15 16 17	17	9 21	23 23 21	20 19	20 20 19	18 17	13 10 7 4
07-10-2023 2:00 N	Maht I	NML10 SVAN 977A :	N-69756	7.2 6.1	73	0 14.1	84 40 45 85 49 50	29 26 23 44 35 22	25 25	Ok, 550 dBA Ok, 550 dBA		-7	7 4	2 5	3 7	7	8 9 9 9 11	11	13 14	13 13 12 27 25 21	13 13 17 15	14 15 14 14 15 14	13 12	10 10 7 4 10 8 6 4
07-10-2023 2:30 N	Nght	NML10 SVAN 977A: NML10 SVAN 977A: NML10 SVAN 977A:	N-60756	6.5	83	0 14 .	85 43 46	27 25 22	24 21	Ok, s50 dBA Ok, s50 dBA		-14	-11 -7	-5 1	4 8	7	5 4 5 8 9	10	12 13	12 12 12	12 13	13 14 13	13 12	10 10 9 4
07-10-2023 2:45 N	Mght I	NML10 SVAN 977A I	DN-60756	6.1	87	0 137	85 30 34 83 52 53	27 25 22 46 32 22	24 21	Ok, SSO dBA	RTN LAmex	-11	4 5	-2 2	3 5	5	5 5 5 B 1	10	13 14	13 12 13	12 12	13 14 13	12 12	10 8 6 4
07-10-2023 3:15 N	Vight I	NML10 SVAN 977A : NML10 SVAN 977A : NML10 SVAN 977A :	N-EGTSE	5.4	95	0 135 0 133 0 131	80 45 46	46 32 23 38 34 28 41 38 32	33 27 32 28 35 35	Check, above 50 dBA Ck, s50 dBA Ck, s50 dBA		- 2	0 2	4 7	8 10	12 1	7 8 10 11 12 13 13 14 15 16 18 19 20 20 21	17	23 24	27 27 21 21 21 22 25 25 24	20 22 24 24	16 16 13 21 21 20 24 24 23		14 10 7 4 16 12 8 4
07-10-2023 3:30 N	Mght I	NML10 SVAN 977A	N:62756	5.5	95	0 13.1	76 45 47	41 38 32	35 3	Ok, s50 dBA	Wind	- 3	6 7	9 11	12 14	16 1	8 19 20 20 21	21 3	23 24	25 25 24	24 24	24 24 23		16 12 8 4
07-10-2023 3:45 N	14ger	NML10 SVAN 977A : NML10 SVAN 977A : NML10 SVAN 977A :	NEGITSE	5.5	90 94	0 13.1	72 45 46 72 51 53	40 35 32 47 38 31		Ok, s50 dBA Check, above 50 dBA	Wind	1 4	3 S	7 9	13 13	15 1	6 17 18 19 20 8 19 20 20 21	21 2	(3) 24 (4) 25	25 25 24 28 27 25	24 24 24 23	24 24 24 23 23 22	22 21 21 19	1/ 12 8 4 15 11 7 4
07-10-2023 4:15 N	MgM 1	NML10 SVAN 977A	N:50755	6.1	51	0 12.9		43 33 24				- 4	-3 0	2 5	6 8	10 1	1 12 13 13 14	17	22	24 24 22	19 16	18 15 17	16 15	12 9 6 4
07-10-2023 4:30 N	Might I	NML10 SVAN 977A : NML10 SVAN 977A : NML10 SVAN 977A :	N:59755	5.4	72	0 13	70 49 53 72 54 57	45 36 20 46 32 19	33 27	Ck, S50 dBA Check, above 50 dBA	Bird LAmax	-16	-14 -10 -15 -12	-7 2 -9 1	9 -1	2	3 5 7 9 % 1 2 2 4 7	12	6 27	26 27 22 25 22 25	18 15 23 19	16 17 18	22 11	10 8 6 3 10 8 6 4
07-10-2023 5:00 N	MgM	NML10 SVAN 977A	24:50755	4.0	75	0 12.5	73 64 66	51 43 24			Bird LAmax	-15	-12 -9	-6 1	-1 2	2	3 6 7 10 13	14 3	25	30 30 34	28 25	35 31 32	32 20	13 9 6 4
07-10-2023 5:15 N	Wight I	NML10 SVAN 977A: NML10 SVAN 977A: NML10 SVAN 977A:	N:59755	2.5	95	0 11.9	76 68 72	52 54 35	51 2	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	RTN LAmex - 1 min excluded	-13	-11 -7	4 1	1 3	3	3 5 9 12 13	16	24 27	30 33 40	43 42	13 44 42 14 39 41		24 21 12 6
07-10-2023 5:45 N	Mght I	NML10 SVAN 977A	N:59755	3.5	82	0 11.8	78 65 69	54 47 33	44 2	Check, above 50 dBA	RTN LAmax - 2 min excluded	-13	-10 -6	4 2	4 4	5	7 6 9 11 13	15	21 27	31 30 34	31 34	33 38 38	35 25 31 25	23 19 9 4
07-10-2023 6:00 N	Vight 1	NML10 SVAN 977A	2N:50755	4.7	85	0 12.3	78 61 62	53 47 34		Check, above 50 dBA Check, above 50 dBA	Bird song at 500 Hz and 630 Hz	-13	-10 -6	-3 2	3 8	5	9 9 12 15 17	20	31	35 35 36	33 34	90 34 35	30 21	16 10 6 4
07-10-2023 6:15 N	reght I	NML10 SVAN 977A : NML10 SVAN 977A : NML10 SVAN 977A :	N:59755	5.4	92	0 13.1	75 69 70	64 50 35 65 53 35	51 64	Check, above 50 dBA Check, above 50 dBA	Birds, Wind - Exclude Birds, Wind - Exclude	- 1	2 5	4 6	10 21	13 1	14 19 18 20 28 16 23 22 27 34	42 -	12 74	36 37 43 35 35 37	44 44 30 37	4 35 37 4 37 14	31 25	25 16 9 6 17 14 8 4
				6.5	93	0 14.9		55 46 36	44 3:	Check, above 50 dBA	Wind - Exclude	2	4 6	8 11	14 16	15 1	19 20 20 21 22		35 29	32 32 31	33 37	56 36 35	31 27	23 20 9 5
07-10-2023 7:00 N	Might 1	NML10 SVAN 977A : NML10 SVAN 977A :	N-50755	9.7	105	0 15.7	70 72 76	58 47 38 61 51 42	47 30	Check, above 50 dBA	Wind - Exclude Wind - Exclude	7	10 12	14 16	18 20	22 2	13 24 25 26 27 17 28 29 32 30	28 3	10 32	34 35 41	40 35	55 38 34 50 30 41	32 25 36 30	24 19 12 6 27 21 14 7
07-10-2023 7:30 0	Day	NML10 SVAN 977A	24:50755	11.9	105	0 169	65 71 75	59 54 42			Wind - Exclude	15	19 22	23 25	25 25	29 3	11 32 33 34 35	35	37 38	39 40 40	41 43	11 40 41	30 34	31 26 18 11
07-10-2023 7:45 0	Day	NML10 SVAN 977A	N:69756	14.0	107	0 17.2	64 71 73	56 51 45	49 44		Wind - Exclude	14	17 19	20 22	23 25	27 2	15 30 31 32 3	33 :	35	37 35 38	35 39	99 41 38	35 33	29 23 16 9
07-10-2023 8:00 D	Day	NML10 SVAN 977A : NML10 SVAN 977A : NML10 SVAN 977A : NML10 SVAN 977A :	N:59755	12.2	108		61 61 64	50 50 43 50 54 44	48 45 51 46		Wind - Exclude	12	15 18	19 20	24 24	25 2	77 28 29 30 31 19 31 32 33 33	31 :	34 5 46	36 36 38 42 38 9	39 39	57 38 39 58 39 38	35 32	29 24 15 8 28 23 16 9
07-10-2023 8:30 0	Day	NML10 SVAN 977A : NML10 SVAN 977A :	N-60756	13.3	113	0 18.4 0 18.7 0 19.2	59 65 68	58 53 45 57 54 49	51 40	,		15	15 21	22 23	25 27	25 3 29 3	10 32 33 34 3 11 33 34 35 30	34	55 42 55 39	41 40 40 40 41 41	40 42	10 39 38 12 41 40		29 24 17 11 32 26 19 13
				13.0	101	0 18.7	58 68 71	57 54 49 58 51 41	52 40		Wind - Exclude Wind - Exclude	17	21 23 19 21	25 26	27 28	29 3		35	35 39 34 35	40 41 41 36 37 33	43 43	12 41 40 18 39 42	35 36	32 26 19 13 29 23 15 9
07-10-2023 9:15 0 07-10-2023 9:30 0 07-10-2023 9:45 0	Day	NML10 SVAN 977A	N:59755	14.0	111	0 195 0 195	55 60 63 54 64 66	54 52 45	49 4		Wind - Exclude	15	19 22 21 24	23 24	26 27 27 28	29 3 30 3	11 32 33 34 3 15 32 33 34 3	34	55 37 55 36	35 39 35	39 39 38 39		25 24	29 24 17 10
07-10-2023 9:30 0	Day	NML10 SVAN 977A	N:59755	14.4	112	0 195	54 64 66	55 51 44	49 46		Wind - Exclude	18	21 24	25 25	27 25	30 3	5 32 33 34 3	35 3	15 36	37 38 38	38 39	37 36	25 23	28 23 17 10
Ur-10-2023 9:45 D	owy .	need U I SVAN 977A	ms 69/30	14.5	107]	VI 1981	wil 23 26	org 341 43	1 491 44			14	10 20	221 23	AH 25	- ZD 3	rvi1124125125	341 :	~r_ 36	a/(30) 30	301 39	erj 30j 36j	न्त्र अ।	ery 23(12) 10)



End Time Location Logger	Mine We	ather Data		Raw 15-minu	nte Statistical Dat			Logsum LAeq15mi Lmax Requires Further LAeq S630 Hz Review		Rew Lang timin 1 20Hz 25Hz	1/3 Spectru	ım									
Period	Wind Spe	ed Wind Rainta	(oC) (%)	/ LAmax LAb	max LA1 L	A10 LAGO	LAsq	LAvq S630 Hz Review (incl +1.5 dB		20Hz 25Hz	31.5Hz	40Hz 50H	tz 63Hz 80Hz 100Hz 125Hz 1	160Hz 200Hz 250Hz 315Hz	400Hz 500H	530Hz 800Hz	1kHz 1.25kHz 1.6kH	z 2kHz 2	2.5kHz 3.15kHz 4kh	z SkHz 6.3kHz Bidtz 10	06Hz 12.58Hz 16kHz
	(4.1111)	District (intri)	(OC) (A)					correction)													
08-10-2023 16:15 Day NML10 SVAN 977A SN-69	***	22 7	0 223 :	36 59	D D	49 :		1.6	Comments (dominant/noteworthy sources).			- 24	22 23 25 26 27	29 30 31 31		2 22 24			74 78	24 22 20 20	21 16 0
08-10-2023 16:30 Day NML10 SVAN 977A SN-62 08-10-2023 16:45 Day NML10 SVAN 977A SN-62	756 1	0.1 69	0 22 3	37 76	79 56 65 51	47 3	5 45	36	THE TEXASON	6 8	10	12	14 16 18 20 22	23 23 23 24 19 22 25 26	27 2	9 27 28	28 32 3	2 34	35 39	42 36 30 25	17 11 6
08-10-2023 16:45 Day NML10 SVAN 977A SN-62	755	8.6 62	0 21.5	38 61 40 69	65 51	47 :	5 44	38	Wind - Exclude	-1 1	1 4	7	9 12 14 15 17		28 2	0 31 32	32 34 3 35 38 4	15 34	34 34	33 30 28 24	20 13 7
05-10-2023 17:00 Day NML10 SVAN 977A SN-52 05-10-2023 17:15 Day NML10 SVAN 977A SN-62	756 1	4.4 52	0 202	47 56	70 57 57 51	47 4	0 45	39	Wind - Exclude	4 4	1 2	6	9 12 14 15 17	21 25 27 28 20 24 26 28	29 3	1 33 34	34 34 3	14 35	34 35	33 31 29 26	21 15 8
06-10-2023 17:30 Day NML10 SVAN 977A SN-62	755 1	4.5 46	0 195	51 64	66 54	51 4	3 45	43	Wind - Exclude	5 8	10	12	15 17 19 20 22	25 28 30 31	33 2	5 36 37	35 35 3	15 35	38 39	38 38 32 30	25 19 12
08-10-2023 18:00 Day NML10 SVAN 977A SN-69	756 1	4.5 66	0 17.6 4	51 65	72 53	47 3	9 45	39		3 5	7	9	12 14 16 17 19	21 24 25 27	29 3	1 32 33	34 34 3	5 35	34 36	38 33 30 28	23 15 9
08-10-2023 18:15 Evening NML10 SVAN 977A SN-62	755 1	37 71	0 17.5 6	53 62	64 55	52 4	5 50	42	Wind - Exclude	8 12	14	15	17 19 20 22 23 19 21 23 24 25	25 27 29 31	32 2	4 35 36	37 37 3	15 39	42 44	41 36 33 29	24 19 12
06-10-2023 18-45 Evening NML10 SVAN 977A SN-69	756 1	3.7 70	0 167 4	55 55	56 53	51 4	5 48	42	Wind - Exclude	7 10	12	14	16 18 20 21 23	25 27 30 31	32 3	4 35 36	37 37 3	7 37	43 38	36 33 32 28	24 18 11
08-10-2023 18-45 Evening NML 10 SVAN 977A SN-62 08-10-2023 19:00 Evening NML 10 SVAN 977A SN-62 08-10-2023 19:15 Evening NML 10 SVAN 977A SN-62	755 1	3.0 71	0 162 7	72 57	59 54	52 4	5 49	44	Wind - Exclude Wind - Exclude	13 10	18	20	21 23 24 25 27 21 23 24 25 26	28 30 32 33 28 30 32 32	34 2	5 37 38	39 39 3	9 39	42 38	37 35 33 30	25 20 13
		4.4 71	0 15.5	74 54	56 53	50 4	4 45	43	Wind - Exclude	12 15	17		20 21 23 24 25	27 29 31 31	32 2	4 36 37	37 37 3	7 37	38 37	36 34 32 29	24 18 11
08-10-2023 19:45 Evening NML10 SVAN 977A SN-69 08-10-2023 20:00 Evening NML10 SVAN 977A SN-69	756 1	2.2 70	0 152 3	75 58 76 55	50 55 57 51	51 4	1 45	43	Wind - Exclude Wind - Exclude	13 17	7 19	20	21 23 24 25 26 16 20 21 22 24	28 30 31 32 25 27 28 29	33 2	4 36 37 11 33 34	37 38 3	18 38 14 34	38 37 35 34	36 34 32 29 33 31 29 26	24 18 11
		1.9 68	0 147 7	78 54	56 52	45 4	0 45	41	Wind - Exclude	11 13	3 15	17	19 20 21 23 24	26 27 26 29	30 3	2 33 34	35 35 3	15 35	35 34	34 31 30 26	21 16 9
05-10-2023 20:30 Evening NML 10 SVAN 977A SN-62 05-10-2023 20:45 Evening NML 10 SVAN 977A SN-62	756 1	0.5 70 9.0 66	0 145 3	78 50 79 49	50 45 50 45	44 3	8 42 6 40	35	Wind - Exclude Wind - Exclude	1 3	4 7	10	13 15 17 19 20 10 12 15 16 17	21 23 24 25 19 20 22 23	25 2	5 30 31 7 25 29	32 32 3 30 30 2	11 31	30 29	31 27 25 22 30 26 24 21	16 11 6
06-10-2023 21:00 Evening NML10 SVAN 977A SN-62	756	9.4 61	0 142 3	79 51	52 50 52 45	45 3	5 42	37	Wind - Exclude	2 4	4 6	9	11 13 15 17 18 14 16 17 19 21	20 22 24 25 22 23 24 24	27 2 25 2	9 31 32	32 32 3 29 29 2	2 32	32 31	31 25 25 23 29 26 24 21	18 13 7
05-10-2023 21:15 Evening NML 10 SVAN 977A SN-602 05-10-2023 21:30 Evening NML 10 SVAN 977A SN-602 05-10-2023 21:45 Evening NML 10 SVAN 977A SN-602	756	9.0 58	0 13.9	81 50	50 48	44	7 42	37	Wind - Exclude	1 2	4 6		11 13 15 16 18	20 22 24 25 19 22 24 25	27 2	9 30 31	32 32 3	11 31	31 31	30 28 26 23	18 13 7
05-10-2023 21:45 Evening NML10 SVAN 977A SN-62	755	9.7 63	0 13.9 1	51 49	49 45 52 45	45 3	8 41	37	Wind - Exclude	-3 0	3	- 6	9 11 13 15 16	19 22 24 25 24 25 26 27	27 2	9 30 31	32 32 3	11 31	31 30	30 25 25 23	18 13 7
08-10-2023 22:00 Evening NML10 SVAN 977A SN-62 08-10-2023 22:15 Night NML10 SVAN 977A SN-62 08-10-2023 22:30 Night NML10 SVAN 977A SN-62	756 1	3.7 67	0 14 1	81 50	51 46	43	3 39	35 Ok, 550 dBA	Wind - Exclude	5 7	7 9	11	13 14 16 18 19	20 22 23 24	25 2	7 25 29	29 29 2	8 28	28 25	27 25 24 20	15 10 5
08-10-2023 22:30 Night NML10 SVAN 977A SN-62 08-10-2023 22:45 Night NML10 SVAN 977A SN-62	755 1	4.0 66	0 139 0	51 51	53 47 49 43	42 3	3 35	35 Check, above 50 dBA 33 Ok. 550 dBA	Wind - Exclude	5 7	10	11	13 15 16 17 18 8 10 12 13 15	20 21 22 23	24 2	5 27 25	28 28 2	7 27	27 27	26 24 23 19	15 10 5
06-10-2023 23:00 Night NML10 SVAN 977A SN 69 06-10-2023 23:15 Night NML10 SVAN 977A SN 69	755	8.3 59	0 13.6		50 46		1 37	33 Ok, 550 dBA 30 Ok, 550 dBA	Wind	0 4	4 6	8	10 12 14 15 16 6 7 9 11 12	17 19 20 22	23 2	5 26 27	27 27 2 22 22 2	7 25	26 26	25 24 22 19	14 11 7
08-10-2023 23:15 Night NML10 SVAN 977A SN-69 08-10-2023 23:30 Night NML10 SVAN 977A SN-69	756	7.6 66	0 13.4 1		50 41	35 2	2 22	30 Ok, 550 dBA 30 Ok, 550 dBA	Wind	-5 -3	3 -1	7	6 7 9 11 12 10 11 13 15 17	13 14 15 17 17 17 17 19	18 2	0 26 25	22 22 3	11 21	21 22	20 19 18 14	11 7 4
06-10-2023 23:45 Night NML10 SVAN 977A SN-62	755	9.7 68	0 13.4	53 46	45 43	41 3	4 35	35 Ok, 550 dBA 34 Ok, 550 dBA	Wind - Exclude	5 7	7 9	10	13 15 17 19 20	21 22 22 23	24 2	5 27 28	28 28 2	7 27	27 27	26 25 23 19	14 9 5
09-10-2023 0:00 Night NML10 SVAN 977A SN-69 09-10-2023 0:15 Night NML10 SVAN 977A SN-69	roo 1	9.7 69	0 133 0	54 45	50 43	40 : 38 :	2 36	33 Ok, 550 dBA	Wind - Excuse	6 8	1 10	10	13 16 17 18 20 13 16 17 19 21	21 21 22 22 22 21 21 21 21	23 2	26 27 3 25 25	27 27 2	n 25	26 26 24 24	23 24 22 19 23 22 20 16	14 9 5 12 8 4
09-10-2023 0:30 Night NML10 SVAN 977A SN-62	755	2.4 74	0 13.1	54 52	53 47 45 37	42	3 39	36 Check, above 50 dBA	Wind - Exclude	8 1	13	14	16 18 20 21 23	24 25 25 25	25 2	6 27 27	28 27 2	7 27	27 26	26 25 23 19	15 10 5
09-10-2023 0:45 Night NML10 SVAN 977A SN-69 09-10-2023 1:00 Night NML10 SVAN 977A SN-69	756	5.1 54	0 128 0	D4 42 B5 35	45 37 36 34	34 2	5 32 7 30	29 Ok, 550 dBA 26 Ok, 550 dBA		-11 4	2 5	-2	/ 9 12 13 14 2 3 5 7 8	14 15 16 17 9 11 13 14	16 1	U 21 22 8 19 19	21 21 2	ru 20	19 19	20 19 17 14 18 17 15 13	10 7 4
09-10-2023 1:15 Nght NML10 SVAN 977A SN-62	755	5.5 60	0 12.5	55 43	44 40	35	7 32	26 Ok, 550 dBA 26 Ok, 550 dBA		-11 -1	4	-1	3 5 6 8 9	10 13 15 17	18 2	0 21 22	22 22 2	11 21	21 21	20 19 18 15	11 7 4
09-10-2023 1:30 Night NML10 SVAN 977A SN-62	756	7.2 71	0 127 1	85 37	38 34	31 2	E 29			-10 4	2 2	4	7 9 0 W 10	9 10 12 14	19 2	7 18 18	18 18 1	7 17	18 18	17 16 15 12	9 7 4
09-10-2023 2:00 Night NML10 SVAN 977A SN-62	257	7.9 74	0 12.7	55 45	53 41	35 2	4 32	28 Ok, 550 dBA 22 Ok, 550 dBA		4 4	0	3	6 8 10 11 12	13 14 16 17	18 2	0 21 21	21 21 2	20	21 21	20 19 17 15	11 16 11
06-15-2023 000 Ng/m, MAL 10 SAM 977 A SH 675 06-15-2023 000 Ng/m, MAL 10 SAM 977 A SH 675 06-15-2023 000 Ng/m, MAL 10 SAM 977 A SH 675 06-15-2023 100 Ng/m, MAL 10 SAM 977 A SH 675 06-15-2023 110 Ng/m, MAL 10 SAM 977 A SH 675 06-15-2023 110 Ng/m, MAL 10 SAM 977 A SH 675 06-15-2023 110 Ng/m, MAL 10 SAM 977 A SH 675 06-15-2023 100 Ng/m, MAL 10 SAM 977 A SH 675 06-15-2023 21 Ng/m, MAL 10 SAM 977 SAM 977 SH 675 06-15-2023 21 Ng/m, MAL 10 SAM 977 SAM 9	755	5.5 78	0 125 1	64 41	51 30 43 30	20 2	1 25	22 Ok, 550 dBA		-12 4 -8 4	4	-3	3 5 6 7 8	8 8 9 10	11 1	3 14 14	13 13	3 13	15 16	14 13 12 10	8 6 4
09-10-2023 2-15 Night NML-10 SVAN 977A SH-020 09-10-2023 3:00 Night NML-10 SVAN 977A SH-020 09-10-2023 3:15 Night NML-10 SVAN 977A SH-02	756	5.8 75	0 124 1	85 35 85 41	37 32	28 2	0 25	21 Ok, 550 dBA 22 Ok 550 dBA		-14 -12 -15 -	-8	-6	0 1 2 3 4	5 7 9 10	12 1	3 14 13	13 13 1	3 14	14 15	14 13 12 11	9 6 4
09-10-2023 3:15 Night NML10 SVAN 977A SN:62	756	3.2 97	0 11.5	55 55	55 44	26 1				-12 4	4	3	7 6 7 5 5	4 5 6 9	11 1	6 23 27	26 22	8 13	12 12	12 11 11 10	8 6 3
06-10-2023 3:30 Night NML 10 SUAN 977A SH-02 06-10-2023 3:45 Night NML 10 SUAN 977A SH-02 06-10-2023 3:45 Night NML 10 SUAN 977A SH-02	755	3.2 103	0 11.1 1	90 52	53 46 50 39	29 2 33 2	2 31		RTN LAmex	-7 -4	4 0	- 6	10 9 13 11 13	9 9 9 12	13 1	7 22 25	25 23 1	16 16	15 15	14 13 12 10	9 10 5
09-10-2023 3:45 Might NML10 SVAN 977A SN:69	755	6.1 81	0 11.7 1	91 47 55 46		31 2	29	26 Ok, 550 dBA 23 Ok, 550 dBA		-9 -4	3	0	4 5 8 9 9	8 8 9 11	12 1	7 19 22 5 17 20	22 19 1	6 15	15 15	14 14 13 11	8 6 4
09-10-2023 4:15 Night NML 10 SVAN 977A SN-69: 09-10-2023 4:30 Night NML 10 SVAN 977A SN-69:	755	5.0 84	0 11.7 1	55 45	45 41 54 46	32 2	4 30	27 Ok, 550 dBA 27 Check, above 50 dBA	BTN I Amer - 7 min auchstart	4 4	1	- 4	7 9 12 13 13	13 13 13 13	14 1	7 20 23	23 20 1	7 16	16 16	16 15 14 11	9 6 4
		2.5 90	0 10.1 1	94 45		35 2				-2 1	2	Š	8 10 12 13 15	15 15 16 16	17 1	9 21 22	22 21 2	10 19	19 20	19 18 16 13	10 7 4
09-10-2023 5:00 Night NML10 SVAN 977A SN-602	756	1.5 51 2.2 284	0 10 1	95 60 95 66	63 52 70 60	44 3 51 3	5 40	28 Check, above 50 dBA	Extraneous L/max Bird L/max	-9 -4	9 3	- 0	5 6 8 9 9	9 11 12 14 11 10 11 13	16 1	9 24 28 9 23 28	29 28 2	5 24	27 34 39 43	35 32 25 21 41 36 26 24	11 7 4
66-10-2022 4-45 Ngaje NAM, 10 SWAN 9774 SN-807 66-10-2022 5-10 Ngaje NAM, 10 SWAN 9774 SN-807 66-10-2022 6-10 Ngaje NAM, 10	756	1.6 253	0 25 1	98 57	68 57	45 3	4 45	28 Check, above 50 dBA 35 Check, above 50 dBA	Arcraft, Wind, Birds - Exclude	-3 0	2	5	8 9 12 20 15	15 17 20 21	24 2	25 25 31	31 33 3	14 38	39 39	38 34 25 18	14 8 4
09-10-2023 5:45 Night NML10 SVAN 977A SN-602 09-10-2023 6:00 Night NML10 SVAN 977A SN-602	756	2.2 303	0 10 1	97 67 96 66	69 54 68 56	46 3	5 45	36 Check, above 50 dBA	RTN, Birds - Exclude Birds - Exclude	-5 -3	1 1	4	5 9 10 17 21 5 10 9 10 11	14 15 22 21	24 2	7 31 35	35 34 3	6 37 10 40	33 35	35 29 23 18 30 27 24 20	14 7 4
09-10-2023 6:15 Night NML10 SVAN 977A SN-692	756	1.6 272	0 10.7 1				3 46	35 Check, above 50 dBA 34 Check, above 50 dBA	Birds - Exclude	-7 -3	3 0	4	7 9 13 17 19	15 14 17 17	21 2	5 30 35 6 30 33 5 27 32 7 26 33		11 37	30 31		14 7 4
09-10-2023 6:30 Night NML10 SVAN 977A SN-69: 09-10-2023 6:45 Night NML10 SVAN 977A SN-69:	756 756	2.9 161 5.6 86	0 121 1	87 72 79 65 75 82	73 61 67 59 86 66	47 3 48 3	5 46	36 Check, above 50 dBA 35 Check, above 50 dBA	Wind - Exclude Wind - Exclude	3 5	5 7	10	12 14 17 22 23 12 15 18 19 22	23 19 20 23	23 2 23 2 27 2	5 30 33 5 27 32	37 41 4 34 39 4 32 41 3 37 39 4	13 43	39 32 37 36	29 25 23 20 32 29 25 20 52 47 38 38	15 8 4
06-10-2022 E.20 Naght MAIL 10 SUNN 977-A SH607 06-10-2022 E.40 Naght MAIL 10 SUNN 977-A SH607 06-10-2022 F.10 Naght MAIL 10 SUNN 97	755	8.6 87	0 149	75 82	36 66	51 :		35 Check, above 50 dBA 37 Check, above 50 dBA	Wind, RTN - Exclude	5 6	10	12	12 15 18 19 22 14 16 18 22 26	15 14 1/ 1/ 23 19 20 23 24 20 21 22 24 23 26 25 23 23 24 24	27 2	7 28 33	37 39 4	11 44	30 31 39 32 37 36 40 42 48 45	52 47 38 38 41 37 32 26	29 19 11
09-10-2023 7:30 Day NML10 SVAN 977A SN-692	756	7.9 68	0 16.7	71 82 66 64 62 66	84 66 66 53 70 60	46 3 44 3 50 3	6 43	36		6 5	11	13	14 17 19 20 24 14 18 22 24 23 16 20 21 21 22	23 23 24 24 25 24 25 24 24 25 26 26	24 2	5 20 31 5 27 29	33 35 3	12 50 14 34 17 41	32 32	31 28 25 20 36 31 28 24	16 9 5
09-10-2023 7-45 Day NML10 SVAN 977A SN-69	755 1	1.2 70	0 17.1 0	52 55	70 50	50	7 45	34	Wind - 2 min excluded	8 11	1 13	14	16 20 21 21 22	24 25 26 25	26 2	29 31	32 32 3	7 41	42 43	36 31 28 24	18 12 6
09-10-2023 8:00 Day NML10 SVAN 977A SN-897	755 1	4.0 83	0 17.6	57 61	66 55 64 54 66 55	48 3 49 4 52 4	0 47	43	Wind - Exclude	11 14 16 20	4 16	16 17 23	18 19 21 23 23 19 21 23 26 27 25 26 27 29 30	26 26 26 27 29 30 32 32 32 34 34 34	33 2	5 30 31 3 34 35 6 37 37	33 35 3 35 35 3	6 35 6 35	35 35 37 37 38 38	34 33 30 25 36 35 33 28	21 15 9
09-10-2023 8:30 Day NML10 SVAN 977A SN-69	755 1	3.3 63	0 18.3	55 63	66 55	52 4	3 49	46	Wind - Exclude	16 20	22	23	25 26 27 29 30	32 34 34 34	35 3	8 37 37	30 30 4	10 39	38 38	36 35 33 28	23 16 10
09-10-2023 9:00 Day NML10 SVAN 977A SN-69:	756 1	3.7 75	0 193	49 61	63 54	50 4	2 45	44	Wind - Exclude	16 10	21	23	24 25 27 28 29	29 29 32 32 31 32 33 33	33 2	4 35 36	37 37 3	7 37	37 38	36 36 32 27	22 16 9
09-10-2023 9:15 Day NML10 SVAN 977A SN-602 09-10-2023 9:30 Day NML10 SVAN 977A SN-602 09-10-2023 9:45 Day NML10 SVAN 977A SN-602	755 1	4.4 65	0 19.7	46 69	71 56 56 51 74 59	50 4	1 47	42	Wind - Exclude	15 10	20	22	23 24 26 27 28	30 31 31 31 25 27 28 28 22 23 27 25	31 3	4 35 36 2 33 34 30 32 33 3 30 32 3 30 32 3 30 32 3 33 34	35 35 4 33 23 3	0 38	36 36	35 34 31 26 32 31 29 25 31 31 29 23	20 14 9
09-10-2023 9-45 Day NML10 SVAN 977A SN-69	756 1	2.6 65	0 20.5	42 72	74 59	49 3	5 45	35	Wind - 3 min excluded	3 5	5 8	9	23 24 25 27 28 15 20 21 22 24 12 14 18 22 20 24 17 23 38 31	22 23 27 25	29 3 27 2	S 30 32	33 42 4	2 41	38 33	31 31 29 23	18 13 7
09-10-2023 10:00 Day NML10 SVAN 977A SN-697 09-10-2023 10:15 Day NML10 SVAN 977A SN-697 09-10-2023 10:30 Day NML10 SVAN 977A SN-697	755 1	0.8 65	0 20.9	40 81	82 59 63 53 62 52	46 49 48	4 54	37	RTN - 1 min excluded	6 5	10	14	24 17 23 36 31 17 19 21 24 26 12 15 18 21 25	32 42 41 44 25 26 27 28 23 25 27 29	42 4 20 3	2 43 43	44 42 4 33 35 3 35 36 3	3 42	42 40 34 36 36 36	38 34 32 27 34 31 29 24 34 33 30 26	22 17 12
09-10-2023 10:30 Day NML10 SVAN 977A SN-69	755 1	0.5 71	0 22.2	36 60	62 52	40 :	5 45	40	Wind	3 4	4 7 1 14		12 15 18 21 25	23 25 27 29			25 26 3	15 36	36 36	34 33 30 26	21 16 9
09-10-2023 10:45 Day NML10 SVAN 977A SN-59: 09-10-2023 11:00 Day NML10 SVAN 977A SN-69:	756 1	9.4 82 1.2 78	0 22.5	35 66	74 52 67 57	49	5 45 5 46	30	Wind	6 6	14	16	17 19 21 22 23 15 16 18 20 21	25 26 27 28 23 25 26 27	28 2 28 2	0 33 34 9 32 32	22 25 3	17 39	33 34 36 36	34 31 29 25 34 33 29 24	21 20 10 26 25 10
09-10-2023 11:15 Day NML10 SVAN 977A SN-69:	756 1	0.1 73	0 22.3	35 58	60 51	47	4 44	40	Wind	12 15 8 11	17	18			29 2	0 31 32	32 33 3	23	33 35	34 32 30 24	20 15 6
09-10-2023 11:30 Day NML10 SVAN 977A SN-69: 09-10-2023 11:45 Day NML10 SVAN 977A SN-69:	756 756	8.6 87	0 23.3	32 58 32 61	61 52 65 52	45 3 45 3	3 42	37	Wind - 2 min excluded	3 6	14	15	16 18 20 21 22 12 16 20 22 21	24 25 25 25 24 23 25 25	26 2	7 28 29 7 28 29	30 30 2	19 30	31 35 31 34	32 32 29 21 34 31 27 22	19 16 8 22 21 11
09-10-2023 12:00 Day NML10 SVAN 977A SN:69:	755 1	0.1 55	0 23.2	32 61	63 55	47 :		36	Wind	9 1	15	16			27 2	3 29 30	31 34 3	14 37	32 33	34 31 29 26	26 24 19
09-10-2023 12:15 Day NML10 SVAN 977A SN-59: 09-10-2023 12:30 Day NML10 SVAN 977A SN-69:	756	8.3 103	0 23.9 3	32 63	69 50 64 57	45 3 50 3			Wind	12 15	17		12 13 16 16 16 19 21 22 23 25	19 20 21 21 26 28 29 29	29 2	4 27 28 0 32 33	29 31 3 34 39 3	19 39	35 36	33 29 25 22 33 31 28 24	
09-10-2023 12-45 Day NML10 SVAN 977A SN-60	756 1	1.9 112	0 24.1	30 56	59 50	47	2 42	40	Wind Wind	10 13	15	16	17 19 20 25 28 15 17 19 21 22		29 2	9 29 30		0 34 14 36	31 32	29 25 25 19	18 17 8
09-10-2023 13:00 Day NML10 SVAN 977A SN-69/ 09-10-2023 13:15 Day NML10 SVAN 977A SN-69/	756	2.4 21	0 23.6	29 59 30 59		46 3 44 3	3 40	35		4 3	7 2	11	13 14 16 17 19	24 25 25 25 20 20 21 22	23 2	3 29 31 5 29 29	28 31 3	11 32	30 31	29 26 23 19	18 16 7
09-10-2023 13:30 Day NML10 SVAN 977A SN-69: 09-10-2023 13:45 Day NML10 SVAN 977A SN-69:	756 1 756	0.4 110 7.9 49	0 23.4 :	31 56	58 47 68 60	40 3 50 3	1 35 3 45	31	Wind	11 9	3 4 4 17	18	10 11 13 14 15 20 21 22 23 24	16 17 18 19 25 26 28 29		2 23 24	24 25 2	7 31	27 29	27 24 21 18 33 30 28 23	19 16 8
09-10-2023 14:00 Day NML10 SVAN 977A SN-69	756	2.0 120			69 59	55 3	ă 50	45	Wind - Exclude	8 13	13	15	21 30 31 23 32			2 35 37	40 42 4		40 40	37 35 25 22	24 26 13
09-10-2023 14:15 Day NML10 SVAN 977A SN-597	rss	8.3 109	0 242 3	29 78	80 70	57 :	5 56	30	Helicopter passby: Local machinal noise in background (at 80 Hz), continues until 17:30 - 1 min excluded Mind - 1 min excluded	11 10	11	15	30 21 35 35 33	40 40 42 41	45 4	7 47 47	45 45 4	17 47	38 35	33 29 27 21	20 17 9
09-10-2023 14:30 Day NML10 SVAN 977A SN-59: 09-10-2023 14:45 Day NML10 SVAN 977A SN-69:	755	6.5 65	0 23.5	30 63 28 64	65 57 66 58	49 3	3 46	37	Wind - 1 min excluded	10 13	15	16	17 19 28 23 24 17 19 29 22 24	25 26 27 27 26 26 26 26 26	27 2	5 29 30 5 30 31	32 35 4 32 39 4	10 40	33 32 34 35	32 29 26 21 33 29 26 21	22 21 12
09-10-2023 15:00 Day NML10 SVAN 977A SN-69:	75%	7.9 54	0 23.9	30 63	55 49	42	2 40	34	*****	143	1	4	7 10 27 19 17	20 19 23 19	20 2	2 25 25	26 27 2	15 29	29 35	31 25 22 17	22 24 19
09-10-2023 15:15 Day NML10 SVAN 977A SN-692 09-10-2023 15:30 Day NMI 10 SVAN 977A SN-692	755	2.0 116	0 23.9	29 70	56 49 73 53 69 56	45 3	3 43	X	Wind - 4 min eacluded	5 4	2 0	4	7 10 27 19 17 5 22 29 21 23 14 16 30 20 21	20 19 23 19 24 18 19 17 25 23 24 24	18 2	2 28 29	26 27 2 31 33 3 32 34 3	12 33	33 33	31 25 22 17 38 32 25 24 39 33 28 24	15 10 7
09-10-2023 15-45 Day NML10 SVAN 977A SN-59:	756	7.2 105	0 23.5	30 72	76 62	51 3	2 49	35		-3 0	2	5	8 10 30 17 14	25 23 24 24 18 14 15 16	18 2	3 25 25	32 40 4	3 42	38 39	42 37 29 25	18 10 5
09-10-2023 15-45 Day NML10 SVAN 977A SN-69: 09-10-2023 16:00 Day NML10 SVAN 977A SN-69: 09-10-2023 16:15 Day NML10 SVAN 977A SN-69:	756 756	7.2 80 9.0 73	0 24.1	30 72 29 68 30 73	76 62 70 59 76 61	49 3	4 47	20		41 4	1 3	2 5	8 10 30 17 14 4 7 29 16 8 7 10 29 16 12	14 8 9 11 17 14 15 17	14 1	3 28 28 9 25 25 4 30 30	26 33 3	18 38 12 37	37 40 35 41	42 34 25 23 45 38 30 27	15 11 6 17 13 8
09-10-2023 16:30 Day NML10 SVAN 977A SN-69	756	6.1 51	0 233 3	31 65 29 70	56 55 73 58	45 3	5 44	36			3 5	8	11 15 27 20 18 14 16 32 20 19	20 18 20 21	23 2	5 29 30	31 34 3	17 35	30 34	35 28 23 17 34 29 24 18	24 23 13
09-10-2023 16:30 Day NML10 SVAN 977A SN-69: 09-10-2023 16:45 Day NML10 SVAN 977A SN-69: 09-10-2023 17:00 Day NML10 SVAN 977A SN-69:	756 756	7.2 108 6.8 69	0 23.5	30 65	70 60	47 3 57 3	7 46 7 52	35	Local Engine Notse - Exclude Local Engine Notse - Exclude	-3 5	5	10	17 28 41 22 28	37 24 26 25	23 2 26 3	5 30 30 2 37 37	32 33 3 41 43 4	13 40	39 37 42 41	43 40 30 25	12 9 7 17 11 6
09-10-2023 17:15 Day NML10 SVAN 977A SN-60:	755	8.3 84	0 23.3	31 62	64 58 65 55	55	5 52	46	Local Engine Noise - Exclude	-10 -1	1 1	7	10 12 43 25 25	36 21 23 22 26 16 16 18	25 3	11 37 37 10 31 31	41 42 4	10 41	42 42	43 40 26 21 34 30 22 16	16 9 5
09-10-2023 17:30 Day NML10 SVAN 977A SN-602 09-10-2023 17:45 Day NML10 SVAN 977A SN-602	756 1	8.3 79 0.1 79	0 22.6		63 54	40 3	0 41	33	Local Engine Noise - 2 min excluded	-12 -1 -9 -4	7 4	-	3 6 9 17 17	22 17 14 15			32 33 3 29 33 3	14 33	35 34 29 30	33 28 22 16	
09-10-2023 18:00 Day NML10 SVAN 977A SN-69/ 09-10-2023 18:15 Evening NML10 SVAN 977A SN-69/	755	27 75	0 21.4 3	36 68	69 54 62 55	43 3	1 42	32	Birds - 4 min eachded	-13 -4	- 5	-1	4 6 5 9 11 2 3 5 6 7	9 10 12 15 8 10 13 15	20 2 20 2 19 2	7 25 27	29 33 3 27 30 3 25 27 2 1 30 43 3	10 33	33 37	34 27 24 20	
09-10-2023 18:30 Evening NML10 SVAN 977A SN-63	755	5.4 60	0 20.1	39 75	77 48	44	5 45	30		-10 4 -6 -3	3 0	-2 3	2 3 5 6 7 5 6 8 9	10 13 15 17	19 2	5 23 23 2 24 28	25 27 2	31	35 39 31 37	36 29 23 17 33 27 20 16	12 7 4 12 8 4
09-10-2023 18:45 Evening NML10 SVAN 977A SN 62	75%	7.6 67			50 47	46 4	4 45	23	RTN - 1 min excluded	-8 -3	3 -3	- 1	11 14 9 12 13	15 15 17 19	20 2	2 25 29		19	40 43	34 21 17 13	10 7 4
09-10-2023 19:00 Evening NML10 SVAN 977A SN-62 09-10-2023 19:15 Evening NML10 SVAN 977A SN-62	756 1	1.2 72	0 195 4	43 60	55 51 62 55	49 4 51 4	6 49	46	Wind - Exclude	7 1	7 3	14	20 21 20 26 27	32 31 33 34	35 3	5 39 35	34 30 3	5 22 19 27	43 41	33 22 19 15 33 24 22 19	14 10 5
09-10-2023 19-15 Evening NML10 SVAN 977A SN-62 09-10-2023 19-30 Evening NML10 SVAN 977A SN-62 09-10-2023 19-45 Evening NML10 SVAN 977A SN-62		0.1 62			59 49 74 50			36	Wind - Exclude	2 5	5	8	13 14 16 18 18 17 14 21 20 19		25 2	7 30 32	31 31 3	30	42 38	33 27 25 22 33 29 27 24	17 12 7 19 14 7
09-10-2023 20:00 Evening NML10 SVAN 977A SN-62	755	7.9 59 9.7 63	0 17.5	51 67	71 50	45 4	2 45	33	Wind - Exclude	1 1	7	9	14 16 23 19 20				33 33 3	11 31	42 35 41 32	32 25 26 22	17 12 6
09-10-2023 20:15 Evening NML10 SVAN 977A SN-69 09-10-2023 20:30 Evening NML10 SVAN 977A SN-69	756	8.6 61 9.4 41	0 17.4		56 48 51 49	45 4	1 43	37	Wind - Exclude Wind - Exclude	-3 -4	-1	7 8	8 13 19 15 17	23 21 24 25 20 23 25 27	27 2	9 30 31	31 31 3		39 32	32 28 26 23 32 30 28 24	17 12 7
		2.4 33	0 16.6	53 50	51 49	46 3	9 43	31	Wind - Exclude	1 1	1 0		10 12 16 15 17				33 32 3	12 32	34 32	31 26 27 23	18 13 7
09-10-2023 21:00 Evening NML10 SVAN 977A SNESS 09-10-2023 21:15 Evening NML10 SVAN 977A SNESS	756	9.4 33 1.5 27	0 163 6	59 51 72 53	52 50 53 52	47 4	9 45	40 33	Wind - Exclude Wind - Exclude	-2 -4	2	10	11 14 17 17 18 10 13 16 16 18	22 24 27 28 21 24 26 28 24 28 31 32	29 7	2 33 34	35 35 3	15 34 15 34	35 34 34 34	33 31 29 25 33 31 29 25	20 14 8 20 14 8
09-10-2023 21:15 Evening NML 10 SVAN 977A SN-62	756 1	5.1 31	0 16	72 59	50 56	51 4	3 48	43	Wind - Exclude	2 3		10	14 16 18 19 21	24 28 31 32	34 3	5 37 38	35 39 3	19 38	38 37	35 34 33 29	24 19 12
09-10-2023 21:45 Evening NML10 SVAN 977A SN-69	756 1	4.4 29 0.1 33	0 158 3	72 53 73 54	54 50	47 4	1 45	40	Wind - Exclude Wind - Exclude	-6 -3	1 1	6	10 12 14 16 18 11 13 15 16 18	20 24 27 28 20 20 20	30 2	2 33 34	35 35 3	15 34 15 35	34 34 35 34	32 31 29 25 33 31 29 36	20 14 8 21 15 8
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l ľ	renoc		(km/hr)	Direction	(mm) (Temp Humidity (oC) (%)	LAMBE LAMBE LA	1 LAIO	LAGO L	Asiq LAeq SS30 Hz (incl +1.6 dB	rousew		ZUPIZ .	ADPTE 31	SHZ WHZ S	UPIZ 63PIZ	auruz 11	00H2 12SH2	160HZ 200HZ 250HZ 315HZ	400PtZ S	JUNZ 63UN	800HZ 18HZ	1.258702.1	5872 2572 2.5472	3.134012.44012	54712 0.34	012 OKPUZ 1	12.5890	2 TOKPIZ
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09-10-2023 23:00 5	eght N	ML10 SVAN 977A SN 69756		5.4 55		15 7 14.5 7	7 49 49	47 4	14 35	41 36	Dk, s50 dBA	Wind - Exclude	-7	- 3	0 3	7 1	2 11	13 14	4 17 21 24 25	27	29 :	0 31 31	31	31 30 30	30	29 27	25 22	17 12	2 6
09-10-2023 23:15 8	light N	IML10 SVAN 977A SN-69756		6.5 50	0	14.5 7	8 45 46	44 4	90 32	37 33	Ok, s50 dBA	Wind	-11	-8 -11	4 1	4 :	5 8	9 1	1 14 17 20 21	23	25 2	5 27 27 0 21 21	27	27 26 21	25	26 24	22 18 16 14	14 5	3 5
09-10-2023 23:45 8	dight N	IML 10 SVAN 977A SN-63756 IML 10 SVAN 977A SN-63756 IML 10 SVAN 977A SN-63756 IML 10 SVAN 977A SN-63756		65 54	0	14.7 7 14.6 7 14.4 5	9 41 41 9 47 45 0 50 50	45 4	34 25 40 31 41 32	37 32	Ok, s50 dBA Ok, s50 dBA	Wind	-11	-11	4 4	4	7	9 1	7 9 12 14 16 1 13 17 20 21 2 15 18 21 23	23	19 25 25 26 26 26 26 26 26 26 26 26 26 26 26 26	0 21 21 6 26 27 7 28 28	25	20 20 22 26 26 26 28 27 27	21 26 27	25 23	21 18	13 5	4 5
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10-10-2023 3:30 5	aght N	IML10 SVAN 977A SN-69756 IML10 SVAN 977A SN-69756 IML10 SVAN 977A SN-69756		1.1 337 1.8 300	0		9 39 43 0 24 27	30 2 21 1	20 18 19 18		Ok, s50 dBA Ok, s50 dBA		-16 -16	-14	-10 -3	3 .	4 5	1 :	5 4 1 1 2	1 1	1	5 5 7	10	13 10 5	10	10 10	10 9	10 0	3 3
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10-10-2023 9:15	Day N	MML 10 SVAN 977A SN-69756		7.5 7		20.9 4	7 63 67	54 4	14 29	42 35			-6	3	-2 11	11 1	13	12 14	4 12 13 14 23	25	30 2	4 21 30	35	30 36 33	32	31 29	23 15	12 5	3 6
10-10-2023 9:30	Day N	IML10 SVAN 977A SN-69756 IML10 SVAN 977A SN-69756		7.2 17 6.1 21	0	21.5 4 21.9 4	4 78 81 1 93 96	76 5	52 30 53 32	56 35 67 67		Local Engine Noise - 2 min excluded Local Engine Noise - Exclude	-4	1	14 5	12 2	27	35 4	4 50 47 46 46 8 55 59 50 60	45	50 5	2 37 37 5 52 52	38	40 42 35 55 55 51	47	39 36 44 40	37 32	27 27	3 14
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10-10-2023 11:00	Day N	MM.10 SWAN 977A SNE9758		5.0 105	0	23.9 3		50 4	E3 33	41 29		Aircraft - 2 min excluded Aircraft - 2 min excluded	-1	4	1 8	11 1	5 23	15 17	4 32 27 26 21 7 27 24 27 3	32	25 2	5 25 27 4 34 31	28 31	27 27 30 33 34 33	31 33 34	29 24	19 15	20 22	4 13
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10-10-2023 12:15	Day N	ML10 SVAN 977A SN:69756		8.3 169	0	24 2	9 59 61						-7	-4	-2 1	5 :	8	8 9	9 12 14 15 17	21	25 2	5 30 30		27 27 30	35	33 29	23 14	18 16	5 6
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10-10-2023 14:30	Day N	ML10 SVAN 977A SN-69756		4.3 62	0	26.0 2	2 57 50	52 4	45 31 E3 30	42 37		Aircraft - 1 min excluded	-4	-4	2 6	6 1			7 27 25 26 25	24	26 2	9 31 32	31	32 34 31	32	29 25	19 15	13 8	8 5
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10-10-2023 15:45	Day N	ML10 SVAN 977A SN-69756		9.0 196	0	26.6 2		55 4	95 27	43 25			-5	7 4	1 2	2 :	5 5	7 6	5 8 8 8 10	13	15 2	1 22 25	32	24 33 22 34 35 31	32	33 25	20 19	34 37	7 25
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10-10-2023 16:30	Day N	ML10 SVAN 977A SN 69756		4.0 150	0	26.3 2	2 63 66	50 4		41 37			0	3	5 6	9 1	17	25 10	5 21 28 21 22	24	26 2	9 32 32	29	27 29 28	31	33 27	21 19	15 11	1 6
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10-10-2023 17:30	Day N	IML 10 SVAN 977A SNE9755 IML 10 SVAN 977A SNE9755 IML 10 SVAN 977A SNE9755 IML 10 SVAN 977A SNE9755		7.2 165	0	25.6 2	6 60 62 7 58 62	50 4	64 32 64 32	41 34			-6	-2	-1 1	5 5	7 11	11 11	1 16 15 16 10	21	26 3	0 33 34	30	28 31 25 28 27 28			21 17	9 7	7 4
10-10-2023 18:00	Day N	ML10 SVAN 977A SN 69756		5.4 131		24.9 2 24.1 2	7 58 62 8 54 58	50 4	45 33	41 36			-14	-9	-7 -4	2 1	12	13 19	2 14 17 19 21 9 26 26 24 20	21	25 :	1 33 33 0 34 34	29	28 27 26 26 24 27	29 31	32 24	21 12 19 13	9 7	1 4
10-10-2023 18:15 8	vening N	IML10 SVAN 977A SN-69756 IML10 SVAN 977A SN-69756 IML10 SVAN 977A SN-69756		4.0 133 3.2 109	0	23 3	0 76 77	50 4	65 34 65 37	43 36		RTN - 5 min excluded RTN Birds - Exclude	-10	- 4	4 -2	22 1	18	26 21 10 1	6 38 32 30 31 1 14 18 18 16 0 12 13 14 16	24	36 : 28 :	8 40 41 1 34 31	40 28	41 40 33 28 26 30	36	35 29	24 18 19 14	9 7	7 4
10-10-2023 18:45 8	vening N	IML10 SVAN 977A SN 69756		3.6 116	o	22.2 3	1 53 56	47 4	15 42	43 25		RTN - 3 min excluded	-14	-4	-8 -2	2 -	3	9 10	0 12 13 14 16	20	24 2	5 29 27	24	26 21 33	41	36 20	13 11	9 1	4
10-10-2023 19:00 6	vening N	IML10 SVAN 977A SN-69756 IML10 SVAN 977A SN-69756 IML10 SVAN 977A SN-69756		4.7 27	0	21.9 3 21.7 3	2 45 47 3 49 51	44 4	13 40 17 40	45 25			-13 -10	-10 -8	5 2	2 -	4 5	7 1	0 3 5 8 10 8 10 13 15 17	13	20 2	2 24 22 2 23 23	20	22 20 35 23 22 38	39 44	33 21	12 11 18 15	10 3	4 5
10-10-2023 19:30	vening N	ML10 SVAN 977A SN-69756		5.8 27		20.9 3 20.5 4	6 62 65 3 49 50	49 4		47 34		Wind, Dogs	-13	- 4	4 -1	5 1	2 8	9 1	1 14 18 20 22	24	26 2	8 31 30 7 27 27	29	27 27 31 27 26 33	46 45	33 Z5 32 Z5	23 19	14 10	3 6
10-10-2023 20:00 8	versing N	IML10 SVAN 977A SN-69756 IML10 SVAN 977A SN-69756 IML10 SVAN 977A SN-69756		7.2 21	0	20.5 4	7 49 50	48 4	45 17 44	46 35		Wind - Exclude	-5	2	-3 1	9	7 11	13 1	1 14 10 20 22 3 15 19 22 2	25	27 2	5 29 29	27	28 28 34	44	32 27	25 21	16 11	1 6
10-10-2023 20:15	vening N	IML10 SVAN 977A SN 69756 IML10 SVAN 977A SN 69756		8.3 24	- 0	19.9 5 19.6 5	1 57 58 3 68 69	53 4	68 44 67 43	47 42		Arcraft - Esclude Arcraft Wind - 4 min excluded	- 4	13	2 9	21 1	23	26 21 20 11	7 31 30 31 31 9 27 27 31 3	32	32 2	2 31 29 4 31 29	28	27 27 36	44	32 26	23 19	15 10	4 5
10-10-2023 20:45	vening N	ML10 SVAN 977A SN-69756		6.5 56		193 5 185 5	5 47 48	46 4	43	43 32		Wind	-7	3	-5 0	6	7 10	10 1	1 14 16 19 21	22	24 2	5 26 25 4 25 25	25	25 25 37	43 41 40		20 17 22 18 21 18	13 5	9 5
10-10-2023 21:00 8	vening N	IML10 SVAN 977A SN-69756 IML10 SVAN 977A SN-69756 IML10 SVAN 977A SN-69756		6.1 132	0	18.5 5 18.6 5	7 46 45	45 4	64 41 64 41	43 31		Wind	-11	-11	4 1	2 1	5 5	8 10	0 13 16 18 20	21	23 2	4 25 25 3 24 24	25	24 25 35 23 23 33	40		21 15	13 5	4 5
10-10-2023 21:30 8	vening N	ML10 SVAN 977A SNE9756 ML10 SVAN 977A SNE9756 ML10 SVAN 977A SNE9756		4.3 101		18.0 5 18.2 5 17.8 6	8 45 46	44 4	12 34	39 24			-10	4	4 3	ô	3 7	4	5 6 7 9 11	13	16	5 16 16	20	16 15 36	35	28 18	13 11	9 7	1 4
10-10-2023 21:45	vening N	IML10 SVAN 977A SN 69756 IML10 SVAN 977A SN 69756	_	5.4 Sn		175 6	0 49 51 1 49 50	46 4	14 33	40 29		Aircraft - 1 min excluded	-3	-1	4 .7	8 1	10	7 1	4 15 17 20 21 5 11 9 10 11	19	21 2	3 23 22 8 21 24	21	19 18 33 18 17 41	35	27 18	16 13	10 7	4 4
10-10-2023 22:15 8	light N	IML10 SVAN 977A SN:62756 IML10 SVAN 977A SN:62756 IML10 SVAN 977A SN:62756 IML10 SVAN 977A SN:62756		6.5 73	0	17.7 5 17.5 6	9 45 49	44 4	13 34 15 29	40 20	Ok, SSO dBA Ok, SSO dBA		-16	-10	4 -7	2	1 2	3 5	5 4 5 6 8	10	11	4 15 16	17	14 14 36	32	26 16	12 11	9 6	6 4
10-10-2023 22:30 5	eight N	IML10 SVAN 977A SN 69756 IML10 SVAN 977A SN 69756	_	4.7 57			0 47 47	42 2	15 29 15 30		Ok. s50 dBA		-15	-12 -12	-9 -6	1	2 4	3 0	6 10 5 7 10 6 5 8 11 17	12	16 2	0 21 21 7 18 18	21	16 12 28 17 17 25	25	26 13 24 16	11 10	9 7	7 4
10-10-2023 23:00 8	light N	IML 10 SVAN 977A SN-69756 IML 10 SVAN 977A SN-69756 IML 10 SVAN 977A SN-69756 IML 10 SVAN 977A SN-69756		3.6 75	ő	17.5 5	8 53 55	41 2	22 33	37 24	Check, above 50 dBA	Bird LAmex	-16	-13	-10 -7	2	5	4 1	0 6 8 10 12	14	16	7 17 17	19	18 18 30	30	23 17	15 12	9 7	1 4
10-10-2023 23:15 5	eight N	IML10 SVAN 977A SN 69756 IML10 SVAN 977A SN 69756	_	4.3 52 5.0 32	0	17.6 5 17.6 5	5 43 44 4 43 45	41 4	90 35	38 30	Ok. 550 dBA		-14	-11	8 5	4	3	5 5	7 9 13 15 16 8 11 15 17 W	18	20 2	1 21 21	21	21 21 35	31	24 20 25 23	19 16	12 8	4 5
10-10-2023 23:45 5	light N	ML10 SVAN 977A SN 69756		16 26	0	17.8 5 17.8 5	3 46 47	44 4	79 36 12 36 12 36	40 32	OK, 550 dBA OK, 550 dBA	Wind	-13	-12 -10	6 -2	3	5 6	7 1	0 13 17 19 20	22	24 2	5 26 26	25	26 26 30	32	27 25	23 20 22 18	15 10	d e
11-10-2023 0:00 5	eight N	IML 10 SVAN 977A SN-69756 IML 10 SVAN 977A SN-69756 IML 10 SVAN 977A SN-69756 IML 10 SVAN 977A SN-69756	_	6.0 41 8.3 %	0	17.8 5	3 45 46 4 45 47				Ok, s50 dBA Ok, s50 dBA		-15	-12 -12	9 4	0	2 7	5 5	9 11 14 16 11 7 10 13 16 17	20	22 2	4 24 24 2 22 22	24	24 24 31 22 23 38	32	25 22	20 17	13 5	4 5
11-10-2023 0:30 8	èght N	ML10 SVAN 977A SN 69756 ML10 SVAN 977A SN 69756		5.8 37	o	17.7 5 17.5 5	7 45 46	43 4	60 34 60 34	38 26	Ok, SSO dBA Ok, SSO dBA		-15	-13	-10 -7	-3	1 2	4 0	6 9 11 14 15	17	19	0 20 20	20	20 20 30	29 25	23 20 21 18	18 15 15 12	11 8	4 5
			_	5.0 41	0	17.4 5	g 47 49 g 41 45	42 4 39 2	37 25	34 17	Ok. s50 dBA		-17	-15	-12 -9	-2 1	2 -6	3 4	a 4 7 10 12 0 -1 2 3 s	13	15 1	1 10 11	17	12 12 17	25	19 13	10 12	9 7	4
11-10-2023 1:15 8	light N	ML10 SVAN 977A SN-69756		43 42	0	17.2 5	8 31 32	30 2	27 23	25 14	Ok, 550 dBA Ok, 550 dBA		-17	-15	-13 -10	4 3	- 5	-3 -	1 4 1 0 3	4	4	7 6 9	12	9 9 15	21	17 11	10 10	8 0	6 4
11-10-2023 1:30 5	eight N	IML 10 SVAN 977A SN-69756 IML 10 SVAN 977A SN-69756 IML 10 SVAN 977A SN-69756	_	5.4 33	0	17.1 5 17.1 5	6 40 42 3 44 46	32 2	28 23 13 25	26 17 30 10	Ok, s50 dBA Ok, s50 dBA		-18	-17 -16	-15 -12 -15 -17	-3 -	1 -2	-1 0	0 -1 2 3 6	7 2	9 1	1 11 12	15	12 12 20 11 11 28	20	17 12	11 10	9 9	4 4
11-10-2023 2:00 8	éght N	ML10 SVAN 977A SN 69756		61 29	ő	17 5	3 40 44	38 3	35 26	31 18	Dk, s50 dBA		-17	-14	-11 -6	0	-3	0	3 3 5 5	9	9	0 11 11	13	11 11 30	21	18 12	11 10	9 8	4 4
11-10-2023 2:15 5	eight N	IML 10 SVAN 977A SN-69756 IML 10 SVAN 977A SN-69756 IML 10 SVAN 977A SN-69756	-	6.1 9 4.3 39	0	16.6 5 16.6 6	7 37 40 1 46 48	36 3	90 25 34 24	28 17	Ok, 550 dBA Ok, 550 dBA		-17	-16 -17	-14 -11 -14 -11	4 4	3 -5	4 :	1 0 3 5 1	- 5	7 1	9 9 10 9 18 8	13	11 12 20 9 10 20	19	19 13	12 10	9 6	6 4
11-10-2023 2:45 8	äght N	IML10 SVAN 977A SN-69756 IML10 SVAN 977A SN-69756 IML10 SVAN 977A SN-69756		4.7 47		16.5 6	3 39 44 4 42 47 5 36 36	36 3	12 22	28 15	Ok, s50 dBA Ok, s50 dBA Ok, s50 dBA		-9	-11	7 4	0	1 -2	4 :	5 3 1 0	5	8 1	4 14 13	14	12 11 22	18	19 11	11 10	9 0	å 4
11-10-2023 3:00 5	äght N	IML10 SVAN 977A SN-69756 IML10 SVAN 977A SN-69756	-	2.9 40	0	16.4 6 16.2 6	4 42 47 5 36 38	36 3 30 2 31 2	12 22 24 21 24 20	23 17	Ok, SSO dBA Ok, SSO dBA		-15 -18	-15 -17	-13 -10 -15 -13	-3 -	1 -3	4 4	2 2 4 -1 2 6 -8 -6 -4 2	- 2	3 1	4 11 7 7 11 14	13	7 8 12 9 8 10	18 17 16	18 11	10 9	8 6	# 4
11-10-2023 3:30 5	äght N	IML10 SVAN 977A SN-69756 IML10 SVAN 977A SN-69756 IML10 SVAN 977A SN-69756		3.2 87		15.9 6	5 50 53	44 2	25 21 24 20	30 26	Ok, 550 dBA Ok, 550 dBA		-18	-16	-13 -10	-6 -	2 2	1 1	5 2 3 4 5	13	19 2	2 24 23	21	17 12 11	17	18 10	10 9	14 6	5 4
11-10-2023 3:45 5	äght N	IML10 SVAN 977A SN-69756 IML10 SVAN 977A SN-69756	-	4.3 81 5.4 41	0	15.5 6 15.7 6	5 45 46 6 45 46	40 2	24 20 28 20				-17 -15	-15 -17	-11 -7 -11 -11	-1 -6	1 1	3 -	1 3 -1 1 1	8	18 1	8 20 19 7 22 23	15	13 10 11 13 10 10	17	16 10	10 9	8 6	# 4
11-10-2023 4:15 8	Aght N	IML10 SVAN 977A SN-69756		25 85		15.6 6	7 36 37	31 2	26 21	24 15	Ok, \$50 dBA		-17	-16	-13 -6	0	-1	1 :	5 4 6 5 6	1	9 1	1 13 14	13	11 11 11	16	16 11	11 10	8 0	å 4

End Time	ime Locato	n Logger	Mine Weather Data		Raw 15-minute St	stistical Data		Logsum LAug 15m	Lmax Requires Further		Raw LAsq (Snin 1)	3 Spect	drum																
	Period		Wind Speed Wind Rainfall	Temp Humidity	LAmax LAmax	LA1 LA10	LAGO	LANG S630 Hz	Review		20Hz 25Hz	31.5Hz	2 40Hz 50	Hz 63Hz	SOMz 1	00Hz 125	Hz 160Hz	200Mz 2	50Hz 315Hz	400Hz 500	HI COUR	500Hz 1kH	z 1.25kHz	1.5kHz 2kHz	2.5kHz 3.15kh	tz 4kttz 5kt	fz 6.3kHz 8kHz	10kHz 12	2.5MHz 15kHz
			(km/hr) Direction (mm)	(oC) (%)				(incl +1.5 dB																					
								consection)																					
								11		Comments (dominant/hoteworthy sources).																			
		SVAN 977A SN-69756		15.4 60				12		Comments (dominaris rotewortry sources).	-14 -11	_			_														
11-10-2023 4:30	egrz NWL10	SVAN 977A SIN EG/SE	3.2 193 E		9 34 36	31 .	29 25	21 2	Ok, 550 dBA			- 9	9 -1	-1 14	U	- 4	12 6	- 11	11 12	13	14	5 14	14 14	14	10 10	19 19	13 14	12 9	0 4
11-10-2023 4:45	light NML10	SVAN 977A SN-69756	4.0 150 0	0 148 73			32 24	31 24	Check, above 50 dBA	Bird LAmax	-16 -13	- 4	-\$ -6	-2 10	10	4	10 14	10	10 11	13	15 1	6 16	16 16	5 15	16 20 2	7 25	22 14	11 9	6 4
11-10-2023 5:00	light NML10	SVAN 977A SN 69756	2.9 124 0	0 143 76	6 63 64	55 -	48 25	44 23	Check, above 50 dBA	Bird LAmax	-13 -11	- 4	-8 -4	1 6	6	7	3 3	8	8 10	12	16	7 25	26 33	28 :	27 31 4	10 38	37 26	16 10	7 4
11,10,2023 5:15	AMM 10	SVAN 977A SN 69756	29 114 6	0 13.6 75	9 65 70	55 .	40 33	45 24	Check, above 50 dBA	Bird LAmax	.0 .0		.7 .2	0 4	- 3	4	3 2	- 2	5 5	12	16 1	9 25	27 30	72 1	12 34 4	10 40	37 26	21 14	9 5
11 10 2022 6:20	State Albert Ann	SVAN 977A SN-69756	40 00 0	0 11.2 81	1 72 74		65 33	40	Check, above 50 dBA	RTN, Bird LAmax - 2 min excluded	-13 -50	_			- 4		8 50	- 17	10 17	17	22 .	e 25	76 47	41	11 40 1	10 40	77 76	17 17	7 4
11-10-2023 5:45			10 20 5	0 118 79	9 71 73		19 23	40		RTN. Birds LAmss - 4 min excluded	113 139	_	9 2				10	14	12 17	- 17			20 0		11 40 .		31 23	12 13	
11-10-2023 5:45	egrz NWL10	SVAN 977A SIN EG/SE	3.0 /5 E	0 118 75	9 71 73		40 31	40			-12 -4		4 4	2 0	- 3		12 12	17	10 10	21	-	B 30	30 30	34 .	41 36 3	15 34	32 23	10 11	/ 4
11-10-2023 6:00			2.2 55 6				45 34	47 34		RTN, Birds LAmixx - 3 min excluded		_ <	6 -3	1 6	- 6	19	30 28	22	30 31	25	28 3	2 32	36 25	37 3	36 36 3	15 40	35 25	22 18	13 6
		SVAN 977A SN-69756	4.0 37 0		0 62 64		44 31			Aircraft, Bird LAmex - 3 min excluded	-14 9		6 -2	3 7	11	18	16 10	16	21 20	19	21 2	E 28	25 33	35 3	22 23 3	12 23	31 24	17 14	7 4
11-10-2023 6:30	light NML10	SVAN 977A SN-69756	3.6 60 0	0 13.5 82	2 62 65	5 58 5	50 33	46	Check, above 50 dBA	RTN, Bird LAmax - 5 min excluded	-11 4	- 4	6 -1	2 11	6	6	14 15	- 11	12 18	20	26 2	5 27	28 32	36 -	£2 38 3	19 36	34 25	18 15	8 4
11,10,2023 6:45	AMM 10	SVAN 977A SN 69756	29 114 6	0 141 87	3 55 50	52 .	41 30	42 2	Charle above 50 dB4	Aircraft, Bird LAmex - 2 min excluded	.15 .11		7 -2	2 17	23	29	27 15	- 11	11 15	17	20 3	3 27	20 33	33 .	12 32 1	15 32	29 22	17 10	F 4
11 10 2022 7-00 8	State Alberto	SVAN 977A SN-69756	67 117 6	0 14.7 81	1 63 65		42 31	47 7	Check, above 50 dBA	Bird I Arrow	-13 -0	_	4 3	3 13	- 0	10	14 10	12	12 12	10	31 .	2 26	77 74	- 10	M 34 3	E 34	20 20	17 13	
			10 154 6				51 34		CINCK, ADDIE JO CON	and Drinks	-12 4	_	- 4	7 11	-	16	14 15	14	16 17	10	22 2	5 32	24 41		12 42 4		34 27	18 11	
11-10-2023 7:15	Day NML10	SVAN 977A SN:69756	16 164 0	0 15.4 79			51 34	49 3			-12 4		-1 6	7 11	15	16	14 16	17	16 17	18	22 2		34 41	35 -	12 42 4	12 35		18 11	7 4
11-10-2023 7:30			5.8 133 0	0 16 79	9 58 60		45 33	42 21	4		-11 -7		4 0	5 16	13	10	15 16	12	11 13	14	17 2	1 23	24 31	33	34 34 3	16 31	29 24	16 10	7 4
		SVAN 977A SN:69756	12 89 0	0 17.3 70	0 67 70	57 -	49 33	46 35			-12 -7	Ý	5 -1	6 15	15	19	24 27	26	23 21	22	21 2	3 25	25 35	34 -	90 39 4	11 33	31 23	15 10	7 4
11,10,2023 8:00	Day NMI 10	SVAN 977A SN-69756	41 37 6	0 17.9 67	7 70 73	5 51	45 12	49 31			-10 -4		2 4	9 10	13	17	18 25	20	15 18	17	17 2	2 24	24 33	38 4	64 42 4	13 35	32 29	23 15	9 5
		SVAN 977A SN 69756	79 A C	0 193 60			50 34	50		Local Freina Noise - 5 min perketed	-5 4	-	4 12	20 16	17		25 23	26	25 25	24	28 2		33 34		11 43 4	3 42		26 21	16 7
		SVAN 977A SN:69756	40 171 6	0 202 53	3 65 65							_					19 14		***	-	25 2	E 28	-		90 38 3	-			
							44 35	46 3.			-11 4	- 14	0 1	4 22	12			14	12 19	4			30 33				34 25	17 12	/ 3
11-10-2023 8:45			4.0 257 0	0 20.6 49			45 35	43 34			-10 4	10	0 2	5 22	10		21 20	14	12 20		26 2		29 31			15 34		19 12	9 5
11-10-2023 9:00		SVAN 977A SN-69756	3.6 218 0	0 21.3 43	7 62 64	55 -	45 32	44 3	4	RTN - 2 min excluded	-2 6	15	9 25	24 22	26	21	27 25	23	24 23	23	23 2		29 35	34 :	34 34 3	15 36	31 25	18 13	10 6
11-10-2023 9:15			4.7 309 0	0 21.8 43	3 63 65		4\$ 30	45 21		RTN - 2 min excluded	2 4	13	7 31	25 25	27	29	27 31	27	32 35	23	29 2	9 29	30 33	33 :	35 35 3	16 32	30 25	18 13	9 5
	Day NML10		47 312 6	0 221 40	0 65 67	57 .	45 31	44 3			-E -2	- 4	4 4	6 10	17	26	22 22	10	25 21	19	10 1	8 22	21 32	14	W W 1	15 31	27 23	15 12	7 5
11-10-2023 9:45			54 130	0 22.9 36	9 52 55		41 1	43	1				0 4	2 3	- 8	12	8 **	- 12	9 **	13	17 1	B 21	22 5	12	10 37	16 31	27 22	16 16	13
		SVAN 977A SN-69756	24 120 6	0 22.7 30	5 54 57		43 31	49 2			-9 -9	_	0 -1	7 7	- 4	22	0 13	- 11		1.0		U A1	24 20		28 27 -	10 31	31 24	10 10	13 0
			5.4 233 6				43 30	43 2		Aircraft - 2 min excluded	-4 1		3 4	0 8	10	44	∠n 25	17	30 31	25	24 2	2 22	4) 25	4 32 3	34 33 3	14 35		19 12	10 6
11-10-2023 10:15	Day NML10	SVAN 977A SN-69756	4.3 340 0	0 23.8 36			42 30	46 27	1		-10 4	- 4	4 -2	4 5	7		7 11	9	10 12	14	17 2		25 27	f 34 -	13 39 3	16 31		18 13	9 8
11-10-2023 10:30	Day NML10	SVAN 977A SN 69756	5.0 308 0	0 245 34			42 31	45		RTN - 1 min excluded	4		3 5	6 12	16	16	20 19	22	23 25	30	23 :	S 39	40 40	39 :	35 36 3	15 33	32 25	23 17	13 5
11-10-2023 10:45	Day NMI 10	SVAN 977A SN-69756	7.7 297 6	0 25 33	3 69 70	55 .	42 29	41 3			.52	_	1 1	5 5	12	15	9 15	74	15 17	10	20 3	0 22	21 39	30 1	17 33 3	15 30	26 22	16 12	9 6
		RUAN OTTA RN-FOTSE	41 17 6	0 248 34	4 67 71	50	62 33	66 30			.0 .5	_		14 15	24	26	27 25	24	27 23	77	21 2	3 24	27 32	34	£1 38 3	19 33	32 24	17 13	0 7
			U.5 1A C	0 70 77			11 32	40 3			,			14 13	41		17 17	27	20 21		25 2		41 21			14 33	30 23	17	
11-10-2023 11:15	Day NML10	SVAN 977A SN:69756	6.1 49 0		3 61 64	51 .	44 33	41 33			-2 2		4 6	8 9	12			18					27 22	27 :	30 34 3	14 33		17 13	10 7
		SVAN 977A SN-69756	6.1 252 0		2 57 61		42 31	39 34			-9 -5	- 3	3 -1	4 6	9		23 15	18	21 24		N		26 25	25 :	28 28 2	19 30	29 25	19 18	15 12
11-10-2023 11:45	Day NML10	SVAN 977A SN-69756	6.5 237 0	0 24.6 34	4 69 72	56 -	45 31	43 30			-3 0	- 2	2 3	6 11	17	26	26 21	25	26 24	21	22 2	4 26	27 27	33 :	29 36 3	16 29	26 23	19 14	10 9
11-10-2023 12:00	Day NML10	RUAN OTTA RN-KOTSK	77 791 6	0 25.1 37	2 61 64	54 .	44 31	42 %			.2 1	-	3 4	6 8	10	10	10 14	14	15 17	10	22 2	4 26	27 22	74 1	17 33 3	13 31	28 25	23 22	20 16
11 10 2222 12-16	No. 100	SVAN 977A SN 69756	00 350 6	0 25.5 32	2 55 55		42 30	70 71				_	0 3	6 12	***	20	25 23	- 17	10 22	70	20 2	2 23	77 74	20	13 27 3	8 26	25 25	24 22	21 17
		SVAN 977A SN-69756	10 239 0	0 223 30			44 30	39 3.		Arcraft - 2 min excluded		_		0 12	10		32 27	- 17	23 25	20	22 2		21 27		11 28 3	20	23 23	24 23	A1 17
			6.5 207 E				42 30	40 2		Attrait - 2 min excuded	-0 -4		0 2	5 4	10			10		23	24 4	2 24	20 2			11 20	20 21	14 14	9 /
11-10-2023 12:45	Day NML10	SVAN 977A SN-69756	7.6 210 0	0 26.6 25			43 30	40 33			-6 -4		1 4	6 8	10	13	18 20	19	23 23	24	23 2	4 25	25 30	32	34 29 3	11 28	23 19	14 11	8 6
11-10-2023 13:00	NML10	SVAN 977A SN 69756	5.0 290 0	0 26.6 25	3 62 66	54 -	43 29	42 21			-5 3		0 3	6 8	12	15	13 15	15	16 17	18	20 2	2 23	25 25	30 3	36 35 3	16 31	23 19	14 12	8 7
11-10-2023 13:15	NML10	SVAN 977A SN:69756	5.0 324 0	0 27 28	8 62 65	5 56 -	46 31	44 3		Aircraft - 2 min excluded	-2 1		3 5	9 14	25	26	23 30	30	32 33	32	31 3	1 31	31 30	31 31	37 34 3	14 27	23 15	13 10	8 6
		SVAN 977A SN-69756	68 319 0	0 26.9 23	7 58 60	1 40	42 29	70 70				- /	0 3		50		0 11	- 14	15 17	10	22 2	5 28	28 28		25 29 3	12 22	25 21	18 13	12 6
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11-10-2023 14:15	NML10	SVAN 977A SN-69756	9.4 225 0	0 27.7 25	5 66 70		44 32	41 33			-5 0	- 2	3 3	6 11	10	13	21 24	16	18 17		23 2		29 25	30 3	33 30 3		30 23	17 11	8 6
		SVAN 977A SN:59755	7.6 241 0	0 28 24	4 65 68	45 4	42 30	39 21			4		0 1	5 6	Ç	ta Ca	9 10	11	12 14	16	22 2	2 25	25 25	25 :	28 30 3	13 32	27 22	15 12	10 6
11-10-2023 14-45	Day NW 10	SVAN 977A SN-69756	7.2 233 6	0 282 24			44 74	45		RTN - 1 min eacluded	.5 .2	_	2 3	7 15	10	23	25 24	24	26 28	30	34 :		40 35	30 '	10 16 1	15 32	27 23	17 13	11 7
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11-10-2023 15:45	Day NML10		10.1 126 0	0 27.8 25	5 65 68		39 29	38 27	rl .		-8 -5	- 2	3 -2	4 3	5	6	5 7	8	10 11	13	17 2	3 26	25 26	27 :	31 30 2	19 27	24 21	14 14	12 6
11-10-2023 16:00	Day NMI 10	SVAN 977A SN-69756	A1 97 C	0 276 26	5 59 61	40	41 33	40 34			-1	,	3 5	8 8	12	12	14 17	17	19 22	23	26 3	9 31	31 25	27 3	28 30 3	12 30	23 20	15 11	8 6
11-10-2023 16:15			6.1 127 6	0 27.4 25	5 59 62		41 31	41 3			4 2	_	0 2	5 6	7	7	9 12	13	15 15	22	25 2	9 32	32 W	27	28 30 3	3 33	25 20	16 10	8 6
11 10 2023 10 13	NAME OF	SVAN 977A SN-69756	40 104 6		5 60 63		68 38	61	1	Local Engine Noise - 2 min excluded	1 7	_	3 .3	0 0	- 75	-	20 22	70	20 21	- 24	27 3		77 9	30	13 30 3	22	25 20	13 11	-1 -
1110-2023 16:30 5	ANY NINE 10	SVAN 977A SN:69756	7.0 104 C	0 27.4 25				74		Local Engine Noise - 2 min excluded Local Engine Noise - 2 min excluded		_	4 1	-14 13	31		19 15	20	17 21		27 3		4 2	1 4		15 31		11	
11-10-2023 16:45	xwy NML10	SVANW/ASNED756	5.0 141 0				95 3E	44 3		Profes Publica Levels - V IIIII MY197803	-9 -4		0 4	и 15	22	34	19 15	19	1/ 21	24			34 34	37 3	30 34 3	15 31	20 20	13 10	8 5
11-10-2023 17:00	key NML10	SVAN 977A SN:69756	2.2 130 0	0 27.4 24	4 52 54		43 32	39 33				- 2	3 0	4 7	17	22	19 19	18	20 19	19	22 2		25 25	29 :	30 27 3	11 31	25 15	13 11	7 5
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11-10-2023 17:30	Day NMI to	SVAN 977A SN-69756	2.2 36 7	0 26.7 24	4 62 65	48 -	42 30	39 21			-11 4	,	6 0	4 7	- 5	7	5 6	2	10 17	15	19 :	3 25	29 70	25	29 31 1	13 29	24 19	11 10	9 4
11-10-2023 17-45	NM 10	SVAN 977A SN-69756	18 183 6	0 25.1 26		54 .	44 31	46 34			-10 -1	_	0 1	6 7	14	21	25 24	13	16 17	18	21 2	5 31	34 47	1 12	90 38 3	3 31	24 21	13 10	7 5
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11-10-2023 18:15 8	Evening NML10	SVAN 977A SN-69756	25 72 0	0 245 28	5 61 63		54 35	50 45		KTN, ARCHIT - EXCLUSE	-14 -10	- 4	4 -3	11 10	- 11	27	29 25	30	32 30	33	32 :	4] 34	32 33	34 :	35 43 4	15 42	341 25	21 15	8] 4
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11-10-2023 18:45	Wining NML10	SVAN 977A SN-69756	65 69 0	0 23.1 32	2 52 53	1 49 -	45 41	46		Aircraft - 2 min excluded	-12 -5	-	4 1	6 7	10	16	29 25	25	26 26	27	29 2	9 30	30 25	29 3	28 28 4	3 35	25 23	20 15	10 6
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11-10-2023 20:00	vening NML10	SVAN 977A SN 69756	10.1 67 0	0 20.8 55	5 54 54	53 :	50 44	47 41		Wind - Exclude	-6 -1		3 7	12 14	16	17	19 22	26	25 30	31	22 :	5 35	36 35	35 3	36 36 4	11 36	33 31	27 22	17 10
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11-10-2023 21:00	vening NML10		83 72 0	0 19.1 65			45 41	44 37	1	Wind - Exclude	-3 0		2 5	9 11	15	16	20 19	21	23 25	27	28 3	0 31	31 31	31	30 37 3	16 33	28 25	23 18	13 6
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11 10 2022 21:30	tomates 10	SVAN 977A SN 69756	71 69 3	0 18.4 60	9 41 46	1 21 1	23 32	40 3		Wind - Exclude	-1 3	_	4 7	-31 13	13		12 15		20 22		25 2		4 6	1 4	29 36 S	3 3	25 23	30 54	
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	T T-	Tree on a										h															
Period	Location Logger	Wind Spee	d Wind Direction	Rainfall Temp (mm) (oC)	Humidity LA	Arrax LAlmax	LA1 LA1	D LAGO LA	Logsum LAeq15min Q LAeq 5530 Hz (incl +1.6 dB	tota Lmax Requires Further Review		20Hz 25Hz	31.5Hz 40Hz	50Hz 0	53Hz 50H	12 100Hz 125	tz 160Hz 200	Hz 250Hz	315Hz 400Hz 500	Hz 630Hz 800Hz	1kHz 1.25kH	iz 1.6kHz 2kH	2.5kHz 3.15	Skitz 40tz	SkHz 6.3	RHz BHz	10kHz 12.5kHz 16kH
		(8.1111)	Director	(inity (OC)	(A)				correction)		Comments (dominant/incleworthy sources).																
17-10-2023 22:15 Night	NML11 SVAN 977 SN:9 NML11 SVAN 977 SN:9	9021 10.	4 70	0 16. 0 16.	1 56	45 45 45 45	44	39 31	36	30 Ck, 550 dBA 29 Ck, 550 dBA	Comment government of sources.	4 4	-3	1 2	5	5 5	8 10	12 15	19 21	23 24 25	25 2 23 2	15 25	25 24 23 22	25 25	25	25 22 21 19	15 7
17-10-2023 22-45 Night	NAVL11 SVAN 977 SN:9	1021 12	5 72	0 15.1	9 56	43 43			33	29 Ok, 550 dBA		4 2	-1	1 3	5	8 8	9 9	11 13		21 22 23	23 2	3 22	22 22	22 22	22	22 19	12 5
17-10-2023 23:15 Night	NML11 SVAN 977 SN:9 NML11 SVAN 977 SN:9 NML11 SVAN 977 SN:9 NML11 SVAN 977 SN:9	1021 12	5 75	0 15.	7 57 5 59	43 43 44 45	41	35 28 37 29	32	27 Ok, 550 dBA 29 Ok, 550 dBA 28 Ok, 550 dBA		7 4	3	1 2	4	8 8	8 9	11 13	16 18 17 20	20 21 22 21 23 24	22 2 24 2	11 21	23 22	20 21	22	20 18	12 5
17-10-2023 23:45 Night	NML11 SVAN 977 SN:9	12.	9 77 2 78	0 15.	3 61 5 63	44 45	37 42	35 28 38 29	32	30 Ok, 550 dBA		-11 -4 -3 -2	-6	0 3	5	7 7	9 12	12 14	16 19	21 22 23 22 23 24	23 2 24 2	12 21	21 20 24 23	20 20	23	23 20	10 4
18-10-2023 0:00 Night 18-10-2023 0:15 Night	NML11 SVAN 977 SN:9 NML11 SVAN 977 SN:9	1021 11. 1021 9.	9 75 7 52	0 14.	8 65 7 68	66 70 45 45	38 43	37 30 38 31	35 35	23 Check, above 50 dBA 30 Ck, 550 dBA	Local metal impact noise LAmax Wind noise, Vehicle noise - 2 min excluded	5 4	-3 -2	0 3	5	9 8 10 8	9 10	12 14 13 17	17 20 19 22	22 23 24 24 25 25	25 2 25 2	5 25	26 24 24 23	24 23 23 23	22	21 19 23 20	12 5 13 6
18-10-2023 0:30 Night 18-10-2023 0:45 Night	NML11 SVAN 977 SN-9 NML11 SVAN 977 SN-9 NML11 SVAN 977 SN-9 NML11 SVAN 977 SN-9 NML11 SVAN 977 SN-9	1021 7. 1021 9.	9 83 7 86	0 14.	7 66 5 70 4 72 3 73	42 45 44 45	41	35 31 35 32	35 36	30 Ok, 550 dBA 30 Ok, 550 dBA	Wind noise - 5 min excluded	4 3	-2 -1	1 3	5	7 9 8 9	9 10	13 15	18 21 19 22	23 24 25 24 25 26	25 2 26 2	5 25 6 25	24 23 25 24 24 23	23 23	23	23 21	14 7
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			1 78	0 13.1		41 41			32	27 Ok, 550 dBA		7 5	-4	2 1	3	5 6	6 7	9 12		20 21 22	22 2	21 21	21 20	20 20	20	20 17 20 18	11 5
18-10-2023 2:30 Night	NML11 SVAN 977 SN-9	1021 5.	4 94	0 13.		47 52 39 40	37	36 27 34 27	32	28 Ok, 550 dBA 27 Ok, 550 dBA 28 Ok, 550 dBA		4 4	-5	2 1	2	5 6	6 7	9 12	17 19 15 18	21 22 23 20 21 22	23 2 22 2	13 23	22 21 20 19	19 19	19	19 17	10 4
18-10-2023 3:00 Night	NML11 SVAN 977 SN:9	1021 5	8 97	0 13.	4 78	36 39	33	31 26	29	25 Ok, 550 dBA 23 Ok, 550 dBA		-10 -7	- 6	2 2	6	8 9	7 6	7 10	13 16	18 19 19	19 1	19 18	18 17	16 16	16	15 13	7 4
18-10-2023 3:30 Night	NML11 SVAN 977 SN:9	1021 S.	4 91 8 99			42 44	38	34 27	31			7 4	-3	-2 2	4	5 7	7 8	9 11	15 18	19 21 21	21 2	11 21	20 19	19 19	15	15 16	10 4
15-10-2023 4:00 Night	NML11 SVAN 977 SN:9	PC21 6.	5 91	0 13. 0 13.	3 77	43 46 44 45	39		32	27 Ok, \$50 dBA 27 Ok, \$50 dBA		-7 -5 -10 -4	-1	3 5	5	8 9	6 6	5 11	15 18	20 21 22 19 20 21	22 2 21 2		21 20 18 18	19 20	18	19 17	9 4
18-10-2023 4:30 Night	NML11 SVAN 977 SN:9 NML11 SVAN 977 SN:9	1021 5.	5 86	0 13.	2 77	49 53	40	35 25	30	25 Ok, 550 dBA 25 Ok, 550 dBA		-13 -11 -10 -4		3 1	3	5 5 7 5	6 6	6 9 8 11	14 18	18 20 21 19 20 21	20 1 21 1	15 18	19 19	19 20 23 24	18	16 13 19 16	9 4
18-10-2023 4:45 Night 18-10-2023 5:00 Night	NML11 SVAN 977 SN:9 NML11 SVAN 977 SN:9	9021 6. 9021 5.	0 91	0 13.	3 79	67 68 67 68	52	45 34	43 44	26 Check, above 50 dBA 26 Check, above 50 dBA	Bird noise LAmex Bird noise LAmex	4 4	4	2 2	3	5 5 7 7	7 7	8 12 9 12	14 17	18 20 21 18 20 22	29 3 26 3	19 37 16 38	36 28 36 29	27 28 28 28	30	28 27 34 34	10 4 15 5
	NAUL 11 SVAN 977 SN:9 NAUL 11 SVAN 977 SN:9		8 82 4 90	0 13.		70 71 70 71			51	22 Check, above 50 dBA	Cow ballows, Bird noise LAmax - 3 min excluded Static noise, Bird noise LAmax - 1 min excluded Wind noise, Cow bellows, Bird noise LAmax - 3 min excluded	-14 -11	-7	4 0	3	7 6	6 10	23 13 12 M		26 30 30	34 4	13 44		39 42			17 7 20 8
18-10-2023 5:45 Night	NAUL 11 SVAN 977 SN:9 NAUL 11 SVAN 977 SN:9 NAUL 11 SVAN 977 SN:9	9021 6.	8 92 5 m	0 13.1 0 13.1 0 13.1		70 71 74 75 67 69	58	50 34 49 33	49 47 47	32 Check, above 50 dBA 34 Check, above 50 dBA	Wind noise, Cow bellows, Bird noise LAmex - 3 min excluded	3 2		2 5	9	9 8	9 11	12 16	19 22 19 23	24 25 27 26 28 29	27 3	19 44 10 34	43 35 42 35 41 37	36 41	35	29 26 28 30 30 26	18 7
18-10-2023 6:15 Night	NML11 SVAN 977 SN:9 NML11 SVAN 977 SN:9 NML11 SVAN 977 SN:9	0.021 6.	8 91	0 14	4 73	67 69 67 69 72 73	57	50 37	47	37 Check, above 50 dBA 32 Check, above 50 dBA 33 Check, above 50 dBA	Wind noise dominant, Bird noise LArrax	1 3	4	5 8	11	16 14	15 17	17 20	24 26	29 32 31	31 3	12 35	43 38	35 35	31	28 25	17 8
			7 25	0 15.5	5 69			50 41	50		Wind noise dominant, Sird noise LAmax	10 12	12 1	13 14	15	17 17	19 29	22 27	34 31	43 35 35	42 4	10 39	42 38	40 37	34	33 30	24 13
18-10-2023 7:00 Night 18-10-2023 7:15 Day	NML11 SVAN 977 SN:9 NML11 SVAN 977 SN:9	9021 11.	0 102	0 16	6 55 4 55	69 72 65 67	58 58		53 49	40 Check, above 50 dBA 30	Wind noise dominant	11 13 9 11	14 1	3 15	16	10 19 17 19	19 20 19 20	23 25 22 24	28 31 27 30	32 34 35 32 33 34	36 3 35 3	19 44 15 39	51 45 46 40	39 37 38 37	32	34 31 33 31	24 14 23 12
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			2 54	0 18.	S 54	66 70 62 64	54	49 38	45	40 35	Wind noise dominant	9 12 3 6	7	8 10	17	20 20 14 14	15 16	22 24 18 24	23 26	27 29 30	36 3 31 3	16 37 12 35	38 37	35 37	34	34 31 29 25	18 8
18-10-2023 8:30 Day 18-10-2023 8:45 Day 18-10-2023 8:00 Day	NML11 SVAN 977 SN:9 NML11 SVAN 977 SN:9 NML11 SVAN 977 SN:9	9021 10. 9021 13.	8 85 7 84	0 193	3 51	61 64 76 76 77 78	53	45 38	45 55 51	37 52	Wind noise, Cow bellows dominant	9 11	11 1	9 10	14	16 19 17 21	27 22 22 34	19 22 44 38	24 25 37 33	28 30 31 43 47 47	31 3 47 4	12 34 16 46 11 41	37 35 42 40	35 35 36 35	31	30 29 30 27	20 10 20 10
18-10-2023 9:00 Day 18-10-2023 9:15 Day	NML11 SVAN 977 SN:9 NML11 SVAN 977 SN:9	1021 12. 1021 12	2 103	0 193	8 48 4 47	77 78 78 79	50	47 36 46 37	51	47	Wind noise, Cow bellows dominant Wind noise, Cow bellows dominant	7 8	10 1	0 10	19	17 15	19 22 18 22	35 41 25 37	40 32 37 32	33 36 42 32 37 36	42 4 40 3		41 39 36 34	36 33	31	30 28 29 28	22 13
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18-10-2023 10:00 Day			5 91	0 21/	4 41	69 73	57	50 33	46 45	45	Wind noise dominant	7 10	6	4 19	22	20 22	27 29	35 35	35 34	36 35 34	22 2	14 34	35 35	34 32	29	26 24	16 7
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nd Time Location Logger	Mine Weather Data		Raw 15-minut	te Statistical D	Dota	Logsum LAeq15min t	tota Lmax Requires Further Review		Raw LA	q.tiśnin 1/3 S	pectrum														
Period	Wind Speed Wind (km/hr) Direction	Rainfall Temp Humi n (mm) (oC) (%)	dity LAmex LAir	max LA1	LA10 LAGO	Logsum LAeq15min t LAeq LAeq s630 Hz (incl +1.6 dB	Review		20Hz	25Hz 31.	5Hz 40Hz	SOHz SSHz	BOHz.	100Hz 125Hz	160Hz 200Hz 25	0Hz 315Hz 400Hz	500Hz 63	OHz SCOHz 1	1kHz 1.25k	Hz 1 EkHz 2	2kHz 2.5kHz 3	.15kHz 4kHz	5kHz 6.3	ikHz čkHz	10kHz
						correction)	1.6	Comments (dominantholeworthy sources).																	<u></u>
10-2023 4:30 Night NWL11 SVAN 977 SN:99021 10-2023 4:45 Night NWL11 SVAN 977 SN:99021 10-2023 5:00 Night NWL11 SVAN 977 SN:99021	5.0 5.8	96 0 12.2 90 0 12.3	87 47 88 64	51 3/ 66 5	9 34 26	31 40	25 Ok, 550 dBA 27 Check, above 50 dBA	Bird noise LAmex	-10 -11	-6	-6 -4 -6 -3	1 3	9	5 5	5 7 8 6 6 8	11 14 17 10 14 17	18 20	20 21	20 26	19 19 35 33	18 18 32 28	22 23 26 26	20	16 14 28 29	1
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10-2023 6:45 Note NML11 SVAN 977 SN:99021	11.5	84 0 14.5		54 5			34 Check, above 50 dBA	Wind noise dominant, Bird noise LArrax	3	4	6 7	9 11	15		3 15 17		26	25 29	29	30 33	25 25			25 25	
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-2023 10:00 Day NML11 SVAN 977 SN:99001 -2023 10:15 Day NML11 SVAN 977 SN:99001 -2023 10:10 Day NML11 SVAN 977 SN:99001 -2023 10:45 Day NML11 SVAN 977 SN:99001	12.2 1	26 0 21.7 47 0 21.3	44 73	76 5 66 5	7 46 31 8 50 33	46	32		- 4	-1	0 2	5 8	16	21 2 11 1	3 21 16 1 12 17	19 19 21 17 18 20	22	22 24 23 26	27	35 40	36 35 41 36	22 22		42 44 29 25	
2023 11:00 Day NML11 SVAN 977 SN:99021 2023 11:15 Day NML11 SVAN 977 SN:99021 2023 11:30 Day NML11 SVAN 977 SN:99021	7.2 1	13 0 22.2 15 0 22.1	42 57	61 51 71 6	0 43 31 1 47 33 2 47 33	40 47	30		5	0	2 7	11 11	16	19 1	9 13 14	14 16 19	21	22 25 24 27	25	25 28	33 31 43 35	22 23	26	26 25 27 25	
0-2023 11:30 Day NML11 SVAN 977 SN:99021	10.1		40 59	62 S	2 47 33	43	34		- 3	-2	0 2	5 9	28	27 1-	4 15 16		23	23 24	24	25 34	37 36	34 32	27	27 25 27 25	
2023 11:45 Day NML11 SVAN 977 SN:99021 2023 12:00 Day NML11 SVAN 977 SN:99021 2023 12:15 Day NML11 SVAN 977 SN:99021	8.3 1	46 0 22.7 23 0 23.8 59 0 23.4	38 58	62 5	2 44 30	41	29		- 3	-1	1 2	5 11	13	13 1	1 12 13 0 19 23	17 20 22 14 16 18	21	22 24 33 36	24	25 29	35 36 34 32 37 36	35 33	26	30 29 25 23 28 26	
-2023 12:15 Day NML11 SVAN 977 SN:99021 -2023 12:30 Day NML11 SVAN 977 SN:99021	9.0 1 7.6 1		36 61	72 5: 63 5:	2 45 32	42	31	Vehicle noise - 2 min excluded	1 4	- 7	8 9 7 8	11 14	17	14 1-		14 16 18 23 23 25 21 18 20			25	34 35 29 31	37 36 36 36	35 37	31 28		
-2023 12:30 Day NM.11 SVAN 977 SN-99021 -2023 12:45 Day NM.11 SVAN 977 SN-99021 -2023 12:00 Day NM.11 SVAN 977 SN-99021 -2023 12:15 Day NM.11 SVAN 977 SN-99021 -2023 12:10 Day NM.11 SVAN 977 SN-99021	7.9	54 0 243 95 0 245	36 68 35 83	70 5	7 47 33	46	36 17	Mahirla regina - 7 min archafari	- 2	12	2 4	7 10	14	16 1-	4 15 16 8 29 45 0 24 41 2 14 16	18 20 22 45 32 34	27 47 44	32 36	35	39 35	39 36 47 44 40 36 33 34	34 33	28	29 29	₣
2023 13:15 Day NML11 SVAN 977 SN:99021	11.2 1	52 0 24.5 31 0 24.5	34 81 34 65	82 63 67 5	5 47 34	56	54	Vehicle noise, Cow bellows dominant Cow bellows - 1 min excluded	3	3	5 11	12 9	15	20 2 15 1	0 24 41	41 34 30 34 29 21	44	51 45 25 30	46	45 45	40 36	32 30 34 29	29	29 28 24 20	₽
12023 13:45 Day NML11 SVAN 977 SN:99021	9.0 1	40 0 25	23 56	58 5 80 6		43 41 52	31		1 4	-1	2 4	101 15 5 8	19	14 1	2 14 16 3 13 15 0 23 37	34 29 21 16 19 22 40 30 31	23	25 25 44 42	36 26	27 32	35 34 35 34 39 35	34 30	27	24 20 26 23 30 27	
2023 13:45 Day NML11 SVAN 977 SN:99021 2023 14:00 Day NML11 SVAN 977 SN:99021 2023 14:15 Day NML11 SVAN 977 SN:99021	11.2 1 5.8 1	80 0 25.6			8 45 27		34	Vehicle noise, Cow bellows - 3 min excluded Alexaft noise, Cow bellows - 5 min excluded	1 3	5	6 20 0 8	21 20 10 16	21 22			34 25 27	30	33 32	22				24	24 21	1
2023 14:30 Day NML11 SVAN 977 SN:99021 2023 14:45 Day NML11 SVAN 977 SN:99021 2023 15:00 Day NML11 SVAN 977 SN:99021 2023 15:00 Day NML11 SVAN 977 SN:99021 2023 15:15 Day NML11 SVAN 977 SN:99021	8.3 1	13 0 25.9	32 70	71 5	6 44 28	45	27		4	- 0	-1 3	5 6	9	10 1	0 10 12	15 15 18		21 22	24	25 33	38 35	35 39	38	25 22 26 25	
2023 15:00 Day NML11 SVAN 977 SN:99021	6.1	17 0 25.4 23 0 25.4 00 0 25.7	33 65 32 69	67 50 67 50 69 50	0 41 27 2 43 25	41	25	Aircraft miss - 3 min aurhofed	4	-2	4 1	4 5	5	9 1	1 16 11	13 15 16 12 18 13	19	22 23 21 25	23	24 25 24 28	33 33 36 33	34 32	28	26 25 26 26	⇇
-2023 15:30 Day NML11 SVAN 977 SN:99021	9.4 1 7.9 1	32 0 26.1	32 69 32 66 32 64	69 50 69 50 66 50	3 45 30 5 48 33 9 52 25	45 45	37	vercrat noise - 3 min excluded	- 4	18	-4 -1 20 22	1 9 23 22	30 22	33 2 21 2		16 29 21 23 24 20 11 13 16	23	25 34 25 29 23 25	30			32 29 35 33	31	29 25	
2023 15:30 Day NML11 SVAN 977 SN:99021 2023 15:45 Day NML11 SVAN 977 SN:99021 2023 15:45 Day NML11 SVAN 977 SN:99021	9.0 1 6.1 1	30 0 25.9			9 52 25 7 48 30	48 46	28 29		3	-4	1 2	3 6	9	9 1 8 1	0 11 10	11 13 16 14 16 19	20	23 25 22 24	25 25	27 37 32 36	46 41 43 37	35 32 37 35	25 30	26 25 27 23	⊢
-2023 16:15 Day NML11 SVAN 977 SN:99021	9.0 1	51 0 24.9 18 0 25.7 03 0 25.5		54 5	4 45 32	44	27		4	-7	4 1	- 4	7	7	5 10 10	12 13 13	19	21 24 21 23	24	27 33 25 29	39 38	35 32	25	25 22 27 29	2
-2023 16:30 Day NML11 SVAN 977 SN:99021 -2023 16:45 Day NML11 SVAN 977 SN:99021	5.0 1	02 0 25.5	23 59	74 54 61 53 68 53	5 45 27 3 44 28 7 49 25	41	27		- 7	- 4	4 2	0 2	5	8	5 7 5	11 13 16	19	22 24	23	25 31	35 35 39 38	35 42 34 29	25	23 21	
2023 17:00 Day NML11 SVAN 977 SN:99021 2023 17:15 Day NML11 SVAN 977 SN:99021 2023 17:30 Day NML11 SVAN 977 SN:99021	5.8 1 7.2 1	03 0 24.9	34 74	75 6 75 6	7 49 25 7 52 26	46 53 48	30	Aircraft noise, Cow bellows - 3 min excluded	-14	-11 23	-6 -3 23 29	-1 1 31 31	35			39 38 36 19 20 21	39	21 24 40 40 25 26		33 36 41 42	39 38 44 39 36 39	40 36 37 36 43 44	30 29 34	29 27 26 24 33 32	-
1-2023 17:30 Day NML11 SVAN 977 SN:99021	7.2 1	03 0 24.2 10 0 23.6			0 50 25	48	34		,	-2	0 9	9 13	14	14 1:	5 19 17	19 20 21		25 26	30	32 32	36 39 45 37	43 44	34	33 32	₣
-2023 17:45 Day NML11 SVAN 977 SN:99021 -2023 18:00 Day NML11 SVAN 977 SN:99021 -2023 18:15 Evening NML11 SVAN 977 SN:99021	5.8	99 0 22.7	39 66	52 6 59 5	2 44 31	41	32	Aircraft noise - 2 min eacluded	- 2	10	9 16	16 20	25	27 2	7 26 27	26 27 30	30	29 25	25	25 25	26 27	28 32	29	23 23	⇇
		54 0 22 52 0 21.5	41 69	70 6	1 44 31	47	30	Aircraft noise - 3 min excluded	-11	12	8 17	17 17	12	15 1:	9 17 16	17 20 23	25	25 27	25	39 39	39 31	29 41	36	31 32	
0-2023 18:45 Evening NML11 SVAN 977 SN:99021 0-2023 19:00 Evening NML11 SVAN 977 SN:99021 0-2023 19:15 Evening NML11 SVAN 977 SN:99021	12.6	79 0 21.3 77 0 20.9	42 58 42 73	62 4i	0 36 31 7 40 31	34 52	30	Wind noise - 2 min excluded Vehicle noise, Aircraft noise - 5 min excluded	14	-5 20	-3 2 3 20	3 5 29 22	29	8 1: 26 2:	2 13 13 5 38 38	14 17 20 42 40 43	24 45	23 24 42 42	40	24 24 38 35	23 22 31 28	23 24 25 25	22	21 18 21 18	
1-2023 19:15 Evening NAVL11 SVAN 977 SN-99021	13.0	78 0 20.5		57 3: 46 3:	9 36 31	35	37	Wind noise - 1 min excluded Wind noise. Whicle noise dominant	- 4	-2	-2 0	3 5	- 8 15	9 1	1 12 12 4 16 15	15 17 20 16 18 20	24	23 24	24	26 23	22 22 20 21 19 20	23 25	22	21 15	F
-2023 19:30 Evening NAL 11 SVAN 977 SN:99021 -2023 19:45 Evening NAL 11 SVAN 977 SN:99021 -2023 20:00 Evening NAL 11 SVAN 977 SN:99021	13.0	76 0 20.2 73 0 20 64 0 19.6	44 44	46 3i 45 4i	8 34 25 6 42 34	32	29		-2	0	-6 1	7 9	16	12 1	2 14 13 3 18 16	15 18 19	21	23 23 21 21 27 28	21	20 20	19 20 27 27	20 23 27 28	20	19 16 27 25	Ξ
-2023 20:15 Evening NML11 SVAN 977 SN:99021	9.0	50 0 18.9	49 49	51 4	5 42 36	40	34	Wind noise dominant	3	-2	-3 5	7 9	13	11 1	3 15 16	19 22 25	26	28 29	29	29 29	28 25	25 25	29	28 25 28 27	
-2023 20:15 Evening NML11 SVAN 977 SN:99021 -2023 20:30 Evening NML11 SVAN 977 SN:99021 -2023 20:45 Evening NML11 SVAN 977 SN:99021	10.8	67 0 18.2 63 0 17.9	54 48	51 43	5 42 34	40	34	Wind noise dominant Wind noise dominant	4	- 4	-2 2 -3 2	5 8	10	10 1	3 14 16 2 13 16	19 22 25 19 22 25	27	28 29	29	29 29	28 25 28 25	25 25 25 25	29	25 25	
-2023 21:00 Evening NML11 SVAN 977 SN:99021 -2023 21:15 Evening NML11 SVAN 977 SN:99021	2.4	61 0 17.6 64 0 17.3	55 46	49 40 46 40	5 42 35 3 40 35	39	33	Wind noise dominant Wind noise dominant	-7	- 5	-2 1 -1 1	5 7	9	10 1	3 14 15 1 12 14	18 21 24	25 25	27 25	25	28 28	28 27 27 26	27 28 26 27	28	26 26 26 24	┢
-2023 21:30 Evening NML11 SVAN 977 SN:99021 -2023 21:45 Evening NML11 SVAN 977 SN:99021	7.6	51 0 17.1 55 0 16.6		46 45 45 3	2 39 30 8 36 29	35	20	Wind noise - 4 min excluded	-12	-10	5 -1	3 5	8	9 1	9 10 12			24 25 22 23	25	24 24 22 22	24 23	23 25 21 23	24 22	24 22 21 19	
-2023 22:00 Evening NML11 SVAN 977 SN:99021	6.5	66 0 16.6	62 43	46 3	7 35 25	32	27		-7	- 4	4 1	2 4	9	8	7 8 10	12 15 18	20	21 22		21 21	21 20	21 23	21	21 18	
-2023 22:00 Evening NML11 SVAN 977 SN:99021 -2023 22:15 Night NML11 SVAN 977 SN:99021 -2023 22:30 Night NML11 SVAN 977 SN:99021	10.4	72 0 165 74 0 163		44 2: 53 3:	9 35 27 9 36 25	32	27 Dk, 550 dBA 29 Dk, 550 dBA		4	-8 -7	4 -2	1 4	7	9	6 7 9 7 8 12	11 15 18 13 18 21		21 21	21	21 21	20 20	20 21	20	19 17 21 18	Ł
2023 22:45 Night NML11 SVAN 977 SN:99021 2023 23:00 Night NML11 SVAN 977 SN:99021	11.2	74 0 16.3 75 0 16.3	54 41 54 44	45 3i 46 3i	5 35 30 5 34 27	33	28 Ok, 550 dBA 26 Ok, 550 dBA		-11	-9	-6 -3 -7 -4	2 3	5	5 1	7 8 10	12 16 19	21	22 23	23	23 22	22 21	21 21	21	20 18 19 17	⊬
2023 23:15 Nght NML11 SVAN 977 SN:99021	10.4	75 0 16.2 76 0 16.1	65 47	49 40	3 39 30 9 37 31	36	30 Ok, 550 dBA	Wind noise - 1 min excluded	- 4	-4	-2 -1	3 5	7		8 10 12	15 18 21 14 18 20	23	24 25 23 24	25	25 25 24 24	25 24 23 22	24 24 22 23	25	24 22 22 20	⇇
2023 23:45 Night NML11 SVAN 977 SN:99021	10.4	81 0 16	65 43	45 4			29 Dk, 550 dBA 30 Dk, 550 dBA		4	-4	4 -2	2 4	6	8	8 9 11	14 18 21	22	23 24				72 72	22	22 19	
. 2023 2.20 Nagh NAL 11 SUAN 977 98-9001 2023 2.245 Nagh NAL 11 SUAN 977 98-9001 2023 0.25 Nagh NAL 11 SUAN 977 98-9001 2023 0.25 Nagh NAL 11 SUAN 977 98-9001	10.1	76 0 15.9 76 0 15.9	65 44 66 42	44 45 45 33	2 37 30 5 33 27 7 34 27	35 30	30 Dk, 550 dBA 26 Dk, 550 dBA 26 Dk, 550 dBA		-15	-13	4 -2	1 2	2 4	5 1	5 5 7	15 18 20 10 14 13	22 18	23 24 20 20	24	29 29	23 23 19 19	23 23 19 19	19	23 20 18 16	£
0-2023 0:30 Night NML11 SVAN 977 SN:99021 0-2023 0:45 Night NML11 SVAN 977 RN-99071	9.7	72 0 15.8 71 0 15.7	66 40	44 3: 50 3:			25 Ok, 550 dBA 25 Check, above 50 dBA	Bird noise LAmex	-10 -12	-8 -10	-5 -3	1 3 0 4	5	6	7 7 8	10 14 17	19	20 20	21	20 20	20 19	19 19	19	19 16	F
0-2023 0.45 Night NML11 SVAN 977 SN:99021 0-2023 1:00 Night NML11 SVAN 977 SN:99021 0-2023 1:15 Night NML11 SVAN 977 SN:99021	10.8	74 0 15.6 75 0 15.4		45 3 54 3	4 32 26	29	24 Ok, 550 dBA 24 Ok, 550 dBA		-15	-12	-9 -5	4 1	3	5 1	5 5 6	9 12 15	17	18 18	15	18 18 17 17		18 18	18	17 15	₣
0-2023 1:30 Night NML11 SVAN 977 SN:39021 0-2023 1:30 Night NML11 SVAN 977 SN:39021 0-2023 1:45 Night NML11 SVAN 977 SN:39021	8.3	75 0 15.3		44 3 45 3	2 30 24 4 31 22 7 29 22	28	23 Ok. 550 dBA		-15	-10	-5 0	5 5	9	7 1	6 7 6	8 11 12	15	16 16	16	16 16	16 16	17 17	17	16 14	=
3-2023 1:45 Night NML11 SVAN 977 SN:99021 3-2023 2:00 Night NML11 SVAN 977 SN:99021 3-2023 2:15 Night NML11 SVAN 977 SN:99021	7.2 6.1	72 0 15.2 68 0 15	65 40 67 39	45 3 42 3 54 2	7 29 22 3 28 22 8 24 20	27	22 Ok, \$50 dBA 22 Ok, \$50 dBA		-15 -16	-10 -14	-5 0 -7 -4	3 3 0 2	6	5 5	4 4 5 7 6 6	7 10 12 6 9 12	14	15 16	15	15 15	16 16 15 14	16 16 15 15	17	16 14 14 12	ـ
3-2023 2:15 Night NML11 SVAN 977 SN:99021 3-2023 2:30 Night NML11 SVAN 977 RN-99071	5.4 7.2	65 0 15 69 0 14.7 63 0 14.7		54 25 43 3	8 24 20 0 25 30	23	20 Check, above 50 dBA 19 Ok, 550 dBA	Local metal impact noise LAmax	-17	-16	-10 -6 -11 -7	-2 1 -2 2	3	5	7 7 4	4 8 11	12	13 12	12	12 11	12 11	12 12	11	10 9	£
0-2023 2-30 Night NML11 SVAN 977 SN-99021 0-2023 2-45 Night NML11 SVAN 977 SN-99021 0-2023 3-00 Night NML11 SVAN 977 SN-99021	6.5	70 0 14.5	71 40 73 41	43 3 43 3	0 25 20 4 31 22	28	25 Ok, 550 dBA 22 Ok, 550 dBA		-16	-13	-5 0	3 7	12	14 1	0 7 7	8 11 14	16	18 18	17	16 16	16 15	15 15	15	15 13	₣
0-2023 3:15 Night NML11 SVAN 977 SN:99021	5.1	76 0 14.6 78 0 14.4 69 0 14.4	77 45	40 3 51 3 45 3	4 30 21 4 28 21 4 28 15	26	21 Dk, 550 dBA		-15	-12	-7 -2	2 2	5	4 .	4 3 4	6 9 1	1.3	13 14	16	16 14 14	16 15	15 17	15	14 12	E
0-2023 3:15 Night NML11 SVAN 977 SN:99021 0-2023 3:30 Night NML11 SVAN 977 SN:99021 0-2023 3:45 Night NML11 SVAN 977 SN:99021 0-2023 3:45 Night NML11 SVAN 977 SN:99021	5.8 4.7	81 0 14.1	78 43 78 67	45 3 71 3	4 25 15 4 25 15 4 25 18	25	19 Dk, 550 dBA 21 Check, above 50 dBA	Local metal impact noise LAmax	-15 -15	-12 -11	-6 -1 -3 -3	5 3	2 4	4	6 3 3	3 5 8 5 8 11	11	11 13 15 17	14 23	12 11 22 21		16 19 21 18	13	9 5 12 10	F
0-2023 4:00 Night NML11 SVAN 977 SN:99021	4.7	76 0 13.5	79 42 80 45	71 3 46 3 49 3	4 28 18 7 31 ~	24	17 Dk, 550 dBA		-15	-3	-1 -5	3 4	4	5	3 2 2	3 5 6	- 5	8 8	9	9 9	11 13	18 19	14	9 7	F
0-2023 4:15 Night NML11 SVAN 977 SN-99021 0-2023 4:30 Night NML11 SVAN 977 SN-99021 0-2023 4:45 Night NML11 SVAN 977 SN-99021	4.7	72 0 13.5 65 0 13.7	80 51	49 X 53 4	7 31 20	30	20 Ok, 550 dBA 19 Check, above 50 dBA	Bird noise LAmex	-16	-13	-10 -6	3 1	3	2	1 2 2	3 6 1	11	13 15	15	14 12	13 16	19 23	25	22 15	⇇
0-2023 4-45 Naght NML11 SUAN 977 SN:99021 0-2023 5:00 Naght NML11 SUAN 977 SN:99021 0-2023 5:15 Naght NML11 SUAN 977 SN:99021	32	65 0 13.6 45 0 13.4 13 0 12.9	81 70	55 5 71 5 57 5	3 44 25 4 49 33 9 49 30	50	23 Check, above 50 dBA 23 Check, above 50 dBA 25 Check, above 50 dBA	Bird noise LAmex	-13	-13	-9 -7 -7 -6	-4 4 -2 1	5	4	3 4 6	10 12 16	13	25 27 20 22	32	44 45	35 26 44 35 37 37	27 25 36 34	22	32 33 35 35 30 28	E
		43 0 12.6	85 66	68 5	8 50 31	47	25 Check, above 50 dBA 26 Check, above 50 dBA	Bird noise LAmax Altoraft noise, Bird noise LAmax - 3 min excluded	-15	-10 13	-3 0 19 9	3 2 18 19	17	19 2	8 6 7 0 26 30	6 10 16 30 29 34				34 34	36 36	39 37	35	30 25	
0-2023 5:45 Night NML11 SVAN 977 SN:99021 0-2023 6:00 Night NML11 SVAN 977 SN:99021 0-2023 6:15 Night NML11 SVAN 977 SN:99021	2.9	40 0 12.7 53 0 13.4	54 55 52 51	67 5	8 51 33 4 47 33	47	24 Check, above 50 dBA	Ancraft noise, Bird noise LAmax - 3 min excluded Alcost noise, Bird noise LAmax - 2 min excluded Bird noise LAmax - 4 min excluded	-14	-10	5 1	2 5		16 1	3 11 21	23 18 18	21	24 26 27 29 26 28	29	35 35	41 37	35 35	36	34 29	
0-2023 6:15 Night NML11 SVAN 977 SN:99021	5.8	0 14.4	50 GS	70 5	6 49 32	45			-12	4	-2 2	7 11	19	23 2	7 23 18	18 19 20	23	26 28	27	29 36	38 36 34 36	39 40	34	29 27	⊭
0-2023 6:30 Night NML11 SVAN 977 SN:99021 0-2023 6:45 Night NML11 SVAN 977 SN:99021 0-2023 7:90 Night NML11 SVAN 977 SN:99021 0-2023 7:15 Day NML11 SVAN 977 SN:99021	7.2	55 0 15.1 59 0 15.6		54 52 78 51			27 Check, above 50 dBA 27 Check, above 50 dBA	Sird roles LAmex	-10 -12	-7	-2 4 -4 0	9 10 4 6	12	9	9 7 7	9 11 13	17	24 25 24 25	25 24	20 33 32 39	35 37 38 38	39 37 41 45	31	27 25 35 34	4
0-2023 7:00 Night NML11 SVAN 977 SN:99021 0-2023 7:15 Day NML11 SVAN 977 SN:99021	5.5	74 0 16.8 71 0 17.5	71 61 69 70	54 59 72 51	6 49 31 5 49 33	45	25 Check, above 50 dBA 29	Bird noise LAmex	-12 -12	-7	-3 1 -2 1	5 7 4 9	11	10 1	9 12 12	8 10 12 17 17 19	16	21 22 21 23	25 35	31 37 39 38	37 36 40 38	39 35	22	26 23 27 24	F
0-2023 7-13 Day NML11 SVAN 977 SN-99021 0-2023 7-45 Day NML11 SVAN 977 SN-99021 0-2023 8:00 Day NML11 SVAN 977 SN-99021	11.2	65 0 18 64 0 18 6	68 66 60 64	69 6	1 53 34	49	35		-11	-4	0 3	6 10	29	31 2	0 18 18	14 16 17	19	20 22	24	31 39	47 40	40 35	30	25 24	₣
0-2023 8:00 Day NML11 SVAN 977 SN:99021	12.2	5 0 19.1		68 5	5 40 34 8 51 36		30		9	-4	1 3	8 8	11	12 1	1 11 13	14 16 20	21	24 24	25	30 36		41 37	35	32 26	
0-2023 8:15 Day NML11 SVAN 977 SN:99021 0-2023 8:30 Day NML11 SVAN 977 SN:99021 0-2023 8:45 Day NML11 SVAN 977 SN:99021	10.5	52 0 19.7 59 0 20.2		71 6 69 5			26	Alteraft noise - 2 min excluded	-10	-3	-1 3 -1 3	7 11 8 8	15	24 3 11 1	3 29 19 1 9 10	19 20 15 11 12 15		21 22 18 20			47 38 39 37		29 31	25 24 25 21	
10-2023 8:45 Day NML11 SVAN 977 SN:99021	9.0	74 0 20.7 72 0 21.2	56 65 54 66	69 5	3 45 33 5 49 32	44	28		4	- 4	2 4	8 10	13	11 1	1 10 11	12 15 18	19	21 23	24	25 31 30 35	36 36 42 38	38 35	32 27	30 27	F
10-2023 9:00 Day NML11 SVAN 977 SN:99021 10-2023 9:15 Day NML11 SVAN 977 SN:99021 10-2023 9:30 Day NML11 SVAN 977 SN:99021	7.2	77 0 21.6	52 71 50 63	75 5	0 44 30	41	29		2	- 2	1 8	11 12	17	14 1	2 17 13	15 15 17	12	21 22	26	34 31	33 34	34 32	ž		⇇
10-2023 9:30 Day NML11 SVAN 977 SN:99021 10-2023 9:45 Day NML11 SVAN 977 SN:99021 0-2023 10:00 Day NML11 SVAN 977 SN:99021	7.2	67 0 21.9 44 0 21.8 29 0 22.8	50 66	65 5 65 5	1 46 31 6 49 32 4 49 33	45	24	Aircraft noise - 2 min excluded	1 3	12	-1 6 -1 12	9 10 20 17	14 24	21 2	1 17 15 0 28 25 6 14 19	15 20 19 25 30 34	22 35	23 24 35 34	32	32 32 31 33	35 35 37 36	35 33	25	21 19 24 23 24 23 26 21 31 36 25 20	
0-2023 10:00 Day NML11 SVAN 977 SN:99021 0-2023 10:15 Day NML11 SVAN 977 SN:99021 0-2023 10:30 Day NML11 SVAN 977 SN:99021	5.6 2 5.6	44 0 21.8 29 0 22.8 33 0 22.9 33 0 23.5	47 64 46 69 43 59	71 6	4 49 33 0 49 34	45 48	31		9	-6	2 3	7 10 3 6	11	8 8	6 14 19 7 8 9	13 17 18	23 15	25 25 19 25	28 23	32 35 29 35	37 36 39 39 38 38 37 36	39 36 38 43	29 39	26 21 31 36	+
		22 0 22 6	43 60	61 5	1 44 33												1 10			36 33					-

End Time	Time L. Period	ocation L	.ogger	Mine West Wind Spee (km/hr)	d Wind	Rainfall	Temp Humic (oC) (%)	Raw sidity LAm	v 15-minute nex LAIm	Statistical EX LA1	LA10 L	100 L	Logium LAeq15mi Aeq LAeq 5530 Hz (incl +1.6 dB	n tota Lmax Requires Further Review		Raw LA 20Hz	25Hz	3 Spectrum 31.5Hz 40h	z SOHz 6	3Hz 80	Mz 100H	z 125Hz 160H	200Hz 2	315h	z 400Hz 500	Hz 530Hz	800Hz 1	IkHz 1.2	5kHz 1.6kHz 2kHz 2.5kh	tz 3.15kHz 46	tz SkHz	5.3kHz 8kHz	10kHz 1	2.5kHz 16kHz
				(km/tr)	Direction	(1111)	(oC) (%)						(incl +1.5 dB correction)																					
20-10-2023 10:45	Day N	ML11 5	SVAN 977 SN:99021	5	4 177		24.1	41	67	70 5	48	32	45	26	Comments (dominantholeworthy sources).	-	- 4	2	4 8	10	12 1	12 12 1	2 12	13	14 15	17 10	22	23	29 32 35	35 39	39 34 35 30	30 3	1 17	5 2
20-10-2023 10:45 20-10-2023 11:00 20-10-2023 11:15	Day N	ML11 5	SVAN 977 SN:99021 SVAN 977 SN:99021	5	3 11 4 52	1 0	24.1 24.8 24.8	40 39	70 53	72 6 66 5	4 52	33		31		-7	-3	6	4 9 10 13	12	12 1	11 11 1	9 17	12		21 2	24	32 28	29 32 35 44 45 45 31 32 36	39 39 37 38	35 30	28 2 28 2	7 14	5 2
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	light NML11 SVAN 977 SN:9902 light NML11 SVAN 977 SN:9902	-	1.0 31	0 2	2 55	46 48	31 29	25 29 24 27	21 Check, above 50 dBA 20 Ok, 550 dBA	Wind noise dominant. Low level mechanical noise such audble in	-18 -17 -15	8 6 4	0 2	-1 3	9 7 8 10	12 12 12 12	2 13 13 13	19 22 16 14	12 7 4 1
23-10-2023 1:30 N 23-10-2023 1:45 N 23-10-2023 2:00 N	eght NML11 SVAN 977 SN:9902 eght NML11 SVAN 977 SN:9902		15 25	0 21	7 68	42 46	35 31	26 29	24 Ok, 550 dBA 29 Ok 550 dBA	background at times (when wind noise is low)	-17 -15 -13 -	3 9 -1	2 4	2 5 1	10 11 12 14	16 17 17 16	16 16 16 17	19 23 18 17	15 10 9 2
23-10-2023 2:00 N	Aght NML11 SVAN 977 SN:9902 Aght NML11 SVAN 977 SN:9902	10	1.6 20	0 21.	3 72	51 52 45 46	39 37 42 39	31 34 31 35 33 37	20 Check, above 50 dBA 30 Ck. 550 dBA	As above - 3 min excluded	-15 -13 -9 - -15 -13 -10 -	3 14 3	5 5	7 10 1	14 15 17 20 15 17 19 22	21 22 24 23 2	14 24 22 22 15 25 24 24	23 26 23 23 23 25 25 25	21 16 8 4
	light NML11 SVAN 977 SN:9902 light NML11 SVAN 977 SN:9902 light NML11 SVAN 977 SN:9902		1.0 30 1.4 22 1.0 19	0 20. 0 20. 0 20.	5 76		42 39 40 38 41 39	33 37 32 36 32 36	30 Ck, 550 dBA 30 Ck, 550 dBA 30 Check, above 50 dBA	As above - 2 min excluded Local metal impact noise LAmax, Wind noise - 2 min excluded	-14 -11 -8	1 15 4 0 14 4	7 5	8 11 1	14 16 19 22 15 17 19 22	23	5 25 24 24 14 24 23 23 15 25 25 24		23 16 8 2
23-10-2023 3:00 8 23-10-2023 3:15 8	eght NML11 SVAN 977 SN:9902 eght NML11 SVAN 977 SN:9902	- 2	1.5 15	0 20.	9 77	41 46 61 62	37 35 39 29	27 32 22 32	27 Ok, 550 dBA 22 Check, above 50 dBA	Bird noise LAmex	-16 -15 -11 - -17 -16 -13 -	5 5 0 7 6 -2	4 5	5 0 1 2 4	11 13 15 18 6 8 10 12	19 21 21 21 1 14 15 16 20	10 20 20 19 10 16 15 14	21 23 21 21 17 20 17 16	19 13 6 2 13 8 7 3
										Low level mechanical noise just audible in background at times (when wind noise is low). Similar to earlier in the night. Continues through to									
23-10-2023 3:30 N 23-10-2023 3:45 N			1.9 12 1.7 3	0 19.	3 53	45 48 40 42	35 30 38 35	23 28 29 32	24 Ok, 550 dBA 28 Ok, 550 dBA	around 6:30 am	-17 -15 -13 - -11 -10 -7 -	5 12 0 1 10 2	5 7	2 7 1 6 9 1	14 12 11 13 14 15 17 19	15 16 17 16 20 21 22 22	14 14 14 15 11 20 20 20	18 18 15 15 20 22 21 21	13 8 5 1 19 12 6 2
23-10-2023 4:00 N 23-10-2023 4:15 N	Bight NML11 SVAN 977 SN-9902 Bight NML11 SVAN 977 SN-9902 Bight NML11 SVAN 977 SN-9902 Bight NML11 SVAN 977 SN-9902	5	1.4 12 1.6 15	0 19. 0 18.	1 53 8 54	44 45 50 50	35 34 44 32	28 32 24 32	27 Dk, 550 dBA 28 Dk, 550 dBA		-11 -9 -7 - -15 -14 -10 -	1 11 2 4 13 1	4 6	6 7 1 5 7 1	11 13 15 18 12 12 14 18	20 21 22 23 20 22 24 22	11 19 19 18 13 21 19 18		17 11 5 1 13 9 5 1
23-10-2023 4:30 B	eght NML11 SVAN 977 SN:9902 eght NML11 SVAN 977 SN:9902		1.3 17	0 18. 0 18.	.G 54	52 53 65 67	44 36 52 45	22 33 30 43	24 Check, above 50 dBA 25 Check, above 50 dBA	Bird noise LAmex Bird noise LAmex Bird noise LAmex	-17 -16 -13 - -15 -13 -10 -	4 15 1 3 12 1	4 5	8 11 1	4 13 17 17	12 17 24 23 19 23 29 27	6 25 23 22 15 35 33 26	25 28 30 34	9 8 4 1 35 15 4 1
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23-10-2023 5:30 8	aght NML11 SUAN 977 SN-3900 aght NML11 SUAN 977 SN-3900		13 9	0 18.	5 82	70 73 84 87	60 51	33 47 37 48 35 53	36 Check, above 50 dBA	Cow bellows dominant, LAmix	-13 4 4 -14 -11 4	0 10 8	10 15	14 15 1 14 11 1	17 20 23 26 15 17 23 26	26 29 33 31 27 31 33 31 25 29 34 32	6 35 40 39 5 37 39 41 5 42 40 38	43 41 36 30	28 21 9 3
23-10-2023 6:15 8	eght NML11 SVAN 977 SN:9902		.8 352 .8 345 13 346	0 19.	3 78				31 Check, above 50 dBA	Cow bellows Liferax - 1 min excluded Cow bellows Liferax - 1 min excluded Cow bellows Liferax - 3 min excluded Cow bellows Liferax - 3 min excluded	-10 4 -3 -12 4 4 -	1 12 5	9 11	11 12 1	12 15 16 20 14 16 19 21 19 23 22 22	25 30 33 31 22 25 26 26 :	6 37 35 36	35 36 30 26	25 14 6 2
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23-10-2023 7:15 23-10-2023 7:30	aght NML11 SVAN 977 SN-9902 Day NML11 SVAN 977 SN-9902 Day NML11 SVAN 977 SN-9902	10	1.1 332	0 23	E 50	70 73 71 75	62 53 60 50	37 50 35 48	35 34	Arcraft noise - 2 min excluded	0 3 3	5 9 11	13 24	30 24 2 17 16 1	8 30 30 31 7 18 21 24	31 32 33 33 26 28 31 32	10 32 39 37 17 44 44 41 18 42 41 38	43 39 37 33 40 35 30 28	29 21 10 3 24 18 8 2
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	NML11 SVAN 977 SN:9902	14	0 309	0 29	5 39	61 63	54 48	34 44 38 45	35 25	Wind noise, Aircraft noise dominant	8 10 11 1		14 16 17 18 14 14	20 20 2	21 25 27 27 22 25 27 30	28 30 31 31 32 33 34 33	12 37 37 32 12 33 37 36	32 30 29 29 37 35 33 29 37 34 31 30	27 20 11 3
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23-10-2023 13:30 E 23-10-2023 13:45 E 23-10-2023 14:00 E	Day NML11 SVAN 977 SN:9902 Day NML11 SVAN 977 SN:9902	14	1.0 276 1.4 271	0 33.	8 27 8 28	58 70 69 70	60 52 60 50	38 49 39 48	37 37	Wind noise - 4 min excluded Wind noise - 2 min excluded	6 7 8 10 13 14 1	9 11 13 4 15 16	15 16 17 17	18 19 2 18 19 2	22 24 25 30 22 24 26 29	32 33 35 38 30 32 34 40	16 41 43 42 19 41 41 38	38 33 32 32 35 32 32 32	30 23 13 5 30 23 13 4
23-10-2023 14:00 23-10-2023 14:15	Day NML11 SVAN 977 SN:9902 Day NML11 SVAN 977 SN:9902 Day NML11 SVAN 977 SN:9902	13	13 267 13 277	0 3	4 26 9 26	57 59 62 65	52 45 53 49	36 45 38 45	35 37	Wind noise - 2 min excluded Wind noise - 3 min excluded	6 7 9 1	1 11 13 0 12 13	16 16 17 18	16 18 2 20 22 2	20 23 25 28 25 26 28 30	32 33 34 34	13 34 36 35 13 33 36 37	35 32 31 31 35 32 31 32	29 21 12 4 29 21 11 4
23-10-2023 14:30 2		1-	18 257		5 24 1 24	65 68 62 64	58 50 57 50	35 47 36 46	43	Aircraft noise - 2 min excluded Wind noise, Aircraft noise dominant	2 4 6 11 14 16 1	6 7 10 7 17 18	13 16	21 22 2	19 27 29 33 12 30 32 33	33 34 34 33 33 34 35 35	6 35 38 37 4 35 38 36		35 24 9 3 30 23 13 4
23-10-2023 15:00 E 23-10-2023 15:15 E 23-10-2023 15:30 E	Day NML11 SVAN 977 SN:9902 Day NML11 SVAN 977 SN:9902 Day NML11 SVAN 977 SN:9902		1.0 261		5 23	69 72 64 66	55 49	36 48 37 46	37	Vehicle noise - 2 min excluded	3 4 6	9 11 12 8 12 13	15 15	20 24 2	18 19 22 26 27 27 31 34	29 32 33 32 33 35 38 35	14 35 42 42 14 35 36 37		28 19 8 2 28 20 10 3
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End Time	Time	Location	Logger	Mine Weath	er Data				Ray 15-	minute Sta	distical Data			Logsum LAeg 15min tot	Lmax Requires Further		Raw LA	eo.15min	1/3 Spectrus																				$\overline{}$
	Period			Wind Speed			Тетр	Humidity	LAmex	LAlmax	LA1 LA10	LAGO	LAsq	LAsq SS30 Hz	Review		20Hz	25Hz	31.52tz	40Hz	SOHz 6	3Hz 50Hz	100H	125Hz 1	EOMz 20	DHz 250Hz	315Hz 4	COHz 500Hz	530Hz	SCOHz 1kH	tz 1.25kH	1 Ekhtz 25	Hz 2.5kt	Hz 3.15kHz	40tt 59	kHz 6.3kHz	SkHz 10	OkHz 12.5kH	iz 16kHz
				(kmhr)	Direction	(TIT)	(oC)	(%)						(incl +1.6 dB															1 1										
														correction)															1 1										
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24-10-2023 4:4	of State	100.00	SVAN 977 SN:99021	6.3		10 4	0 18.5	5 55	67	7 50		45	10 44		Check, above 50 dBA	Bird roise Army			1 17			- 1		4 1	- 1		- 0	13 14		77	70 7	2 22	33	27 25	707	22 2	- 22	- 10	-
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24-10-2023 5:1	Spegre	POVE 11	SVAN 977 SN:99021 SVAN 977 SN:99021			10						59 .			Check, above 50 dBA	Cow bellows, Bird noise LAmex - 2 min excluded Bird noise LAmex	-13	-1.	3 -0	-0	- 4	- 4	4	0 0	- 0	0 %	19	22 25		20	32 3	19 34	40	30 40	.30	34 3	29	16	6 1
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24-10-2023 5:4			SVAN 977 SN:99021	6.3	2		0 18.2		75	5 77	61	52			Check, above 50 dBA	Bird noise LAmix	-14	-11	0 -6	-2	3	7	6	5 5	7	9 90	15	19 20	24	25	30 3		41	41 42	43	37 33	32	22 1	.2 2
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24-10-2023 13:4	5 Day	NML11	SVAN 977 SN:99021	13.0			0 34.3		65	5 66	55	45	33 44	3	7	Vehicle noise - 1 min excluded	3		7 8	- 11	14	15 1	19 1	9 23	25	25 25	28	28 31	32	32	32 3	14 34	35	35 35	31	28 27	27	16	7 2
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Column	End Time	Lreax Requires Further Review	Rase Like; Solid: 2 Specimen 2014
Column C		2.3 Comments (dominantholeworthy sources).	
Column	06-10-2023 4:30 Night NRL15 SYUN 9774 SNc0507 2.2 356 0 7 77 38 39 34 31 17 27 06-10-2023 4:45 Night NRL15 SYUN 9774 SNc0507 2.9 148 0 7 81 48 49 39 34 32 31 31 07 27 06-10-2023 4:45 Night NRL15 SYUN 9774 SNc0507 2.9 148 0 7 81 48 49 39 34 32 31 31 32 33 34 35 34 35 35 35 35 35 35 35 35 35 35 35 35 35		
Column	06-10-2022 5:00 Nobel NML15 SVAN 977A SREESSOT 4.0 12 0 7 81 65 65 67 52 48 26 45 60 60-10-2022 5:05 Nobel NML15 SVAN 977A SREESSOT 4.0 12 0 7 81 65 68 61 55 43 52 60-10-2022 5:00 Nobel NML15 SVAN 977A SREESSOT 5-4 38 0 8 79 69 72 56 47 29 46	20 Check, above 50 dBA Dird notes LAmex, Aircraft notes - 2 min excused 30 Check, above 50 dBA Dird notes LAmex Vehicle notes - 4 min excluded 20 Check, above 50 dBA Dird notes LAmex	144 - 111 - 11 - 12 - 14 - 15 - 13 - 13 - 15 - 15 - 15 - 15 - 15
		23 Check, above 50 dBA Bird noise LAmix, Aircraft noise - 2 min excluded	
Column C	06-10-2023 6:30 Night NML15 SVAN 977A SN-69507 0.7 358 0 9 78 67 69 54 40 29 42	30 Check, above 50 dBA Bird noise LAmex, Aircraft noise - 1 min excluded 23 Check, above 50 dBA Bird noise LAmex, Aircraft noise - 2 min excluded	-13 -10 -7 -3 1 4 7 8 8 13 13 11 14 15 22 23 27 26 27 27 28 27 28 27 28 27 28 28 28 28 28 28 28 28 28 28 28 28 28
	06-10-2023-05-1986 NR.15 SVANDOTA-SNEEDOT 2.9 242 0 11 71 73 76 53 42 29 44 06-10-2027-15-1986 NR.15 SVANDOTA-SNEEDOT 4.9 242 0 11 71 73 76 53 42 29 44	Check, above 50 dBA Bird noise LAmex	
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Column		26 27	
Column	06-10-2023 8:30 Day NML15 SVAN 9774 SR400007 4.0 160 0 16 45 64 66 59 45 28 45 06-10-2023 8:45 Day NML15 SVAN 9774 SR400007 4.0 144 0 17 44 62 65 45 56 43 26 42 06-10-2023 9:00 Day NML15 SVAN 9774 SR400007 4.7 160 0 18 46 60 71 67 47 27 47 27 47	25 27	14 - 3 - 4 - 3 - 2 - 6 - 8 - 6 - 15 - 9 - 15 - 14 - 13 - 14 - 13 - 13 - 13 - 13 - 13
Column C	06-10-2023 9:15 Day NML 15 SUAN 977A SN-60907 4.3 177 0 19 51 62 64 46 37 27 37 06-10-2023 9:30 Day NML 15 SUAN 977A SN-60907 5.4 238 0 19 51 62 64 57 41 27 43	25 27	-10 -8 -4 -3 0 2 6 5 4 9 9 11 12 14 15 17 18 19 22 22 28 26 26 25 23 28 33 30 17 15 10 19 46 3 -1 2 6 11 7 7 7 9 10 12 13 15 17 20 20 22 33 30 31 31 23 28 24 25 23 16 18 10
Column C	06-10-2023 10:00 Day NML15 SVAN 977A SN-69507 4.7 91 0 21 48 99 105 59 40 28 61	31 27 Static noise - 1 min excluded	_ 6 _ 2 _ 2 _ 5 _ 8 _ 150 _ 159 _ 152 _ 20 _ 22 _ 21 _ 117 _ 171 _ 150 _ 51 _ 51 _ 51 _ 51 _ 51 _ 51 _
Column C	06-10-2023-10-15 Day NM.15 \$VAN-977-58N-66907 5.0 65 0 21 46 72 74 59 39 28 45 06-10-2023-10-10 Day NM.15 \$VAN-977-58N-66907 6.1 96 0 22 46 66 68 56 37 28 42	27 28	3 4 1 3 1 4 3 11 14 3 11 14 3 15 17 14 14 17 17 19 22 27 28 28 28 29 29 29 29 29 29 29 29 29 29 29 29 29
	06-10-2023 11:00 Day MAL15 SUNN 977A SN60507 5-4 50 0 22 44 68 71 5-4 42 28 41 06-10-2023 11:15 Day MAL15 SUNN 977A SN60507 4-7 67 0 22 40 65 67 52 41 28 41	27 27	4 4 4 3 0 3 0 3 1 1 1 0 10 13 13 10 17 10 10 10 12 22 23 12 27 27 27 28 28 20 14 27 18 19 19 10 17 14 10 17 14 10 17 10
Column C	06-10-2023 11:30 Day MAIL 15 SVAN 977A SN-02007 7.9 160 0 23 41 65 66 57 42 27 43 66-10-2023 11:45 Day MAIL 15 SVAN 977A SN-02007 6.5 221 0 23 41 65 68 61 43 27 46	35	
Column C	06-10-2023 12:00 Day MAL 15 SVAN 977A SNESSOT 3.6 276 0 24 38 72 74 62 45 27 46 66-10-2023 12:15 Day MAL 15 SVAN 977A SNESSOT 4.7 161 0 23 42 88 93 50 38 28 50	25 Static noise - 1 min excluded	10 - 5 - 5 - 2 - 11 - 5 - 8 - 13 - 12 - 14 - 13 - 15 - 15 - 15 - 15 - 15 - 15 - 15
Column C	06-10-2023 12:05 Day MML15 SVM 977A SREESSV 4.3 136 0 23 42 64 67 53 42 29 41 06-10-2023 13:05 Day MML15 SVM 977A SREESSV 5.8 136 0 25 38 62 64 53 42 29 41 06-10-2023 13:05 Day MML15 SVM 977A SREESSV 6.8 136 0 25 37 69 70 60 38 28 45	30 28 28	-13 -10 -7 -4 0 0 5 9 13 14 11 12 13 14 17 19 20 21 22 25 22 27 34 37 32 32 32 22 14 14 10 10 10 10 10 10 10 10 10 10 10 10 10
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Column C	06-10-2023 10:30 Day NML15 SVAN 977-5 SEXESSOT 9.0 207 0 26 30 60 63 47 35 28 36 06-10-2023 10:30 Day NML15 SVAN 977-5 SEXESSOT 7.2 212 0 26 30 57 60 47 33 27 36 06-10-2023 17:00 Day NML15 SVAN 977-5 SEXESSOT 9.4 272 0 26 30 57 60 47 30 27 36 06-10-2023 17:00 Day NML15 SVAN 977-5 SEXESSOT 9.4 272 0 27 30 67 67 67 47 30 27 36 06-10-2023 17:00 Day NML15 SVAN 977-5 SEXESSOT 9.4 272 0 27 30 67 67 67 67 40 40 30	29 29 37 37 Aircraft point	9 4 4 4 1 7 6 11 12 11 15 14 15 14 15 14 15 12 12 22 23 22 23 22 23 22 23 22 23 23 23 24 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25
Column C	06-10-2023 17:15 Day NML15 SUAN 977A SNESSOT 9.7 200 0 25 30 63 64 52 46 31 40 06-10-2023 17:20 Day NML15 SUAN 977A SNESSOT 9.0 100 0 24 31 61 62 40 39 32 30	33 Aircraft noise	4 4 4 4 3 16 13 15 16 20 21 17 18 26 22 27 26 26 27 28 36 38 28 38 28 24 34 27 15 16 10 10 10 10 10 10 10 10 10 10 10 10 10
## 14 Part Par	06-10-2023 17-45 Day NML15 SVAN 977A SNEESSOT 5.8 202 0 24 32 51 55 44 38 30 35 06-10-2023 18:00 Day NML15 SVAN 977A SNEESSOT 6.5 190 0 23 34 65 66 53 40 30 41	32 Aircraft noise 30	
## Company No. 1		27 27	-16 -14 -11 -1 -1 -2 -1 -2 -1 -3 -5 -6 -8 -10 -12 -15 -5 -6 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2
## Company No. 1	06-10-2023 10:45 Evering 1804.15 \$2500 977-5 SECESSOV 5.8 208 0 21 33 47 40 44 43 40 42 06-10-2023 10:05 Evering 1804.15 \$2500 977-6 SECESSOV 5.8 1927 0 20 31 45 47 49 43 41 35 40 42 06-10-2023 10:15 Evering 1804.15 \$2500 977-6 SECESSOV 5.8 1929 0 193 31 45 47 49 43 41 35 40	30 20	12 0 4 3 1 1 0 4 4 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
## PROPERTY OF THE PROPERTY OF	06-10-2023 10-30 Evening NML15 SVAN 977A SNE0507 7.9 151 0 19 32 43 44 42 41 38 40 06-10-2023 10-45 Evening NML15 SVAN 977A SNE0507 9.7 130 0 19 37 50 51 43 40 37 39	23 26 Aircraft noise - 1 min eaduded	12 -4 -2 -4 -4 -6 -5 -7 -5 -5 -6 -7 -6 -11 -12 -2 -2 -12 -12 -12 -2 -12 -12 -1
Column C	05-10-2023-20:00 Exercise NML15 SVAN 977A SNESSOT 10.1 81 0 19 54 41 43 40 38 34 35 05-10-2023-20:15 Exercise NML15 SVAN 977A SNESSOT 9.0 77 0 19 62 49 50 40 36 32 34	24 28	
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The Content of Content	06-10-2023 21:15 Evering NML15 SUNA 9774 SENESSOY 9.7 81 0 17 74 43 44 37 34 28 32 06-10-2023 21:15 Evering NML15 SUNA 9774 SENESSOY 9.4 77 0 17 75 55 65 43 37 30 35	28 Ward noise - 2 min surfurled	
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## 15 15 15 15 15 15 15 15	06-10-2023 22-15 Night NML15 SVM 977A SN 02007 8.3 84 0 15.7 79 53 55 44 36 27 34	30 Check, above 50 dBA Wind noise LAmex - 2 min excluded 27 Dk, 450 dBA	0 3 4 5 7 6 7 7 9 12 14 16 19 22 22 2 26 25 24 22 21 26 26 22 21 19 18 15 17 15 13 9 6 1 1 14 16 19 22 25 25 26 25 24 22 21 26 26 22 21 19 18 15 17 15 13 9 6 1 14 14 15 19 12 25 25 25 24 22 21 16 16 17 25 18 15 14 13 11 3 6
## 15 15 15 15 15 15 15 15	05-10-2023 22-45 [higher MML 15 SUNN 9774 SEKESSOT 9.0 81 0 15.5 79 45 47 37 31 25 29 05-10-2023 23:00 [higher MML 15 SUNN 9774 SEKESSOT 9.5 76 0 15.4 79 41 47 33 29 24 27 05-10-2023 23:00 [higher MML 15 SUNN 9774 SEKESSOT 9.7 27 0 15.4 79 41 47 33 29 24 27 05-10-2023 23:05 [higher MML 15 SUNN 9774 SEKESSOT 9.7 27 0 15.4 79 41 47 37 31 23 29 24 27 05-10-2023 23:05 [higher MML 15 SUNN 9774 SEKESSOT 9.7 27 0 15.4 79 41 47 37 31 23 23 29 24 27 05-10-2023 23:05 [higher MML 15 SUNN 9774 SEKESSOT 9.7 9 27 27 0 15.4 79 41 47 37 31 23 23 29 24 27 05-10-2023 23:05 [higher MML 15 SUNN 9774 SEKESSOT 9.7 9 27 27 0 15.4 79 41 47 37 31 23 23 29 24 27 05-10-2023 23:05 [higher MML 15 SUNN 9774 SEKESSOT 9.7 9 27 27 0 15.4 79 41 47 37 31 23 23 29 24 27 05-10-2023 23:05 [higher MML 15 SUNN 9774 SEKESSOT 9.7 9 27 27 0 15.4 79 41 47 37 31 23 23 29 24 27 05-10-2023 23:05 [higher MML 15 SUNN 9774 SEKESSOT 9.7 9 27 27 0 15.4 79 41 47 27 31 23 23 29 24 27 05-10-2023 23:05 [higher MML 15 SUNN 9774 SEKESSOT 9.7 9 27 27 0 15.4 79 41 47 27 28 28 28 28 28 28 28 28 28 28 28 28 28	27/Ok, 550 dBA 25/Ok, 550 dBA 27/Ok, 550 dBA	4 3 1 6 3 2 4 4 5 8 15 12 15 17 15 25 16 15 15 15 15 15 15 15 15 15 15 15 15 15
Column C	06-10-2023 23:30 Naght NML15 SUAN 977A SN450507 9:0 69 0 15.4 80 38 39 32 28 23 26 06-10-2023 23:45 Naght NML15 SUAN 977A SN450507 8:3 62 0 15.2 81 37 39 31 28 23 26	23 Ok, 550 dBA	-11 -9 -7 -4 -1 -2 0 0 2 5 7 9 11 14 15 16 16 15 14 14 14 14 16 17 14 13 12 10 0 5
Column C	07-10-2023 0:00 Night NML 15 SVAN 977A 524-66907 8.3 68 0 15.1 62 39 43 33 28 22 25 07-10-2023 0:15 Night NML 15 SVAN 977A 524-66907 10.4 73 0 15.2 62 38 42 30 25 21 24	22 Dk, 550 dBA 21 Dk, 550 dBA	
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Column C	07-10-2023 1-45 Night NML 15 SUNN 977A STHEODOY 7-9 73 0 14-5 84 95 61 43 23 16 30 07-10-2023 2:00 Night NML 15 SUNN 977A STHEODOY 7-2 73 0 14-4 84 95 51 41 25 17 27	15 Check, above 50 dBA Bird noise LAmex 15 Dk, 550 dBA	15 -15 -15 -16 -16 -15 -16 -16 -15 -16 -16 -16 -16 -16 -16 -16 -16 -16 -16
Company Comp		16 Ok, 550 dBA	. 16 . 48 . 41 . 4 . 4 . 4 . 4 . 4 . 2 . 3 . 2 . 2 . 2 . 2 . 4 . 1 . 3 . 4 . 8 . 1 . 7 . 8 . 8 . 8 . 8 . 8 . 8 . 9 . 10 . 11 . 11 . 11 . 10 . 10 . 9 . 7 . 4 . 15
Company Comp	07-10-2023 3:00 Night NML15 SVAN 977A SN:69507 6.1 87 0 13.6 83 41 43 31 23 18 22	18 Ok, 550 dBA	15 41 4 4 7 8 3 9 4 1 1 2 4 6 7 6 8 8 8 9 10 11 11 11 10 10 10 8 8 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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End Time Ti	me Lo	cation Lo	gger	Mine Weath Wind Speer	er Data			Raw 15-m	rinute Statisti	cal Data		Logsum L	Aug15min tota Lmax Requires Further Review		Staur LAsq. 20Mz	15min 1/3 Spect	trum																		
Pe	iriod			Wind Speer (km/hr)	Wind 1	Rainfall Temp (mm) (oC)	Humidity (%)	LAmax I	LAImax LA1		A10 LAGO	LAsq LAsq 5531	Hz Review		20Hz	25Hz 31.5Hz	z 40Hz	50Hz 63Hz	z BOHz 1	100Hz 12	5Hz 160Hz 2	200Hz 250	315Hz 400	tz SOOHz 6	SOHz SOOH	z 1kHz 1.2	SkHz 1.6kH	Hz 2kHz	2.5Mrz	3.15kHz 4kHz	SMHz	6.3kHz 8kh	z 10kHz	12.5kHz	15kHz
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08-10-2023 2:00 No	ght No	AL15 SV	AN 977A SN-69507	5.	5 55	0 1	13 54	41	43	34	30	25 28	25 Ok, 550 dBA 25 Ok, 550 dBA		-7	-5 -6	3 0	-1	2 2	3	4 7	- 9	11 14	17 18	19 1	19 18	16	16 15	15	15 1	5 14	14	13 11	1 9	5
08-10-2023 2:15 No 08-10-2023 2:30 No	ght No	AL15 SV	AN 977A SN:69507	- 4	3 91	0 1	12 86	43	44	37	28	23 27	26 Ok, \$50 dBA		-7	5 -	4 2	-4	0 1	-1	4 6	8	11 14	16 18	18 1	17 16	15	14 14	14	14 1	4 14	13	13 17	1 3	- 5
08-10-2023 2:45 No 08-10-2023 3:00 No	ght Ni	AL15 SV	AN 977A SN-69507	5	4 90	0 1	12 57	49	50	41	32	26 31	29 Ok. 550 dBA		-2		2 3	3	4 5	5	7 9	- 11	14 17	20 22	22 7	22 20	19	16 17	17	17 1	7 16	15	14 12	2 10	- 6
08-10-2023 3:00 No 08-10-2023 3:15 No	ght No	AL15 SV	AN 977A SN-69507	5.	0 79	0 1	12 87	43	45	35	30 .	25 28	27 Dk, 550 dBA 24 Dk, 550 dBA		-7	-10 -	4 -2	-1	9 10	11	7 7	10	9 12	17 18	19 1	18 18	15	16 16	15	16 1	5 15	14	13 12	4 9	5
06-10-2023 3:30 No 06-10-2023 3:45 No	ght No	AL15 SV	AN 977A SN-69507	7.	2 77	0 1	12 86	45	47	36	30	25 28			-6	-6	2 5	9	6 8	5	7 5	10			19 1	19 18	17	16 16	15	15 1	5 15	14	13 11	1 3	- 5
08-10-2023 3:45 No 08-10-2023 4:00 No	ght No	AL15 SV	AN 977A SN:60507	5.	1 51	0 1	12 86		47	35	30 :	25 28 28 32	27 Dk, 550 dBA 27 Dk, 550 dBA 30 Check, above 50 dBA		-7	,	4 -2	0	0 1	2	4 7	9	11 14 11 14		20 1	19 18		16 15	15	15 1	4 14	13	12 10	2 6	5
08-10-2023 4:00 No 08-10-2023 4:15 No	ght Na	#L15 SV	IAN 977A SN-69507 IAN 977A SN-69507	6.	1 82	0 1	12 86	51	52	10	33	28 32		Wind noise LAmixx	- 4	4 1	1 1	3	3 3	- 4	7 10 6 9	12	14 17	20 22	23 2	23 22	21	20 19	18	18 1	3 17 7 16	16	15 13	2 10	- 7
				6.	1 51	0 1	12 57	41	44	35	31	23 28	30 Ok, 550 dBA 26 Ok, 550 dBA		-6	-6 -6	5 3	-4	-1 0	- 1	4 7	9	11 14	17 18	19	19 18	17	16 15	15	15 1	5 14	15	13 11	1 3	
08-10-2023 4:45 No	ght No	AL15 SV	AN 977A SN-69507	5.	5 73	0 1	12 57	55	59	39	29	21 29	21 Check, above 50 dBA	Bird noise LAmex	-13	-11 -1	10 -7	-3	-4 -2	0	2 4	- 5	7 9	11 13	14 1	14 15	14	14 15	16	17 1	9 20	. 23	19 16	5 12	8
08-10-2023 5:00 No 08-10-2023 5:15 No	ght No	AL15 SV	AN 977A SN-69507	4.	7 52	0 1	12 55	65	70	50	56 -	49 52	24 Check, above 50 dBA 22 Check, above 50 dBA	Bird noise LAmax	-14	-12 -1	10 -7	-2	4 2	-1	0 3	- 5	6 9	12 13	15 2	20 37	43	43 37	39	40 3	9 42	47	43 2*	5 16	-11
06-10-2023 5:30 No	ght N2	AL15 SV	AN 977A SN-69507	5.	4 55	0 1	12 59		75	55	45	25 45	22 Check, above 50 dBA 23 Check, above 50 dBA	Bird noise LAmix	-13	-11 -4	9 5	-2	-3 -2	0	1 4	6	7 10	13 14	16 1	19 24	29	25 33		36 3			30 13	3 10	- 5
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08-10-2023 5:00 Na 08-10-2023 5:15 Na	ght No	AL15 SV	AN 977A SN:69507 AN 977A SN:69507	3.	2 110	ŏ 1	12 87	55	72	22	54	27 50	24 Check, above 50 dBA 25 Check, above 50 dBA	Bird noise LAmax Bird noise LAmax, Aircraft noise - 2 min excluded	-10	-6 -1	6 3	-1	15 15	23	31 33	30	35 31	29 29	29 2	29 31	39	45 43	44	41 3	3 33	31	22 11	1 2	- 5
08-10-2023 5:30 No 08-10-2023 5:45 No	ght No	AL15 SV	AN 977A SN-69507	6.	5 55	0 1	13 82	55	68	55	41	28 42	30 Check, above 50 dBA 31 Check, above 50 dBA	Bird noise LAmax, Wind noise - 1 min excluded	1 1	1	3 4	6	5 6	7	8 11	13	15 18	21 23	24 2	24 23	26	32 37	33	34 2	6 26	7 25	17 14	4 1	7
06-10-2023 7:00 No	ght No	AL15 SV	AN 977A SN-69507	2. 8.	5 55	0 1	15 74	57	63	53	45	31 40	32 Check, above 50 dBA	Bird noise LAmex, Wind noise dominant - 3 min excluded	3	6	7 8	9	9 9	10	12 14	17			25 2	28 27	31	30 32	34	33 2 34 3	13 28	27	22 15	a 15	-11
06-10-2023 7:15 Ox	nr Ni	AL15 SV	AN 977A SN-69507	11.	2 96	0 1			73	57	47	34 45	37	Wind noise - 3 min excluded	8	11 1	3 16	16	16 16	15	15 17	19	19 22 21 24	27 29	31 3	32 33	35	35 35	35	35 3	2 34	4 32	25 22	12 19	- 14
06-10-2023 7:30 De 06-10-2023 7:45 De	ry No	#L15 SV	AN 977A SN-60507 AN 977A SN-60507	11.	5 93	0 1	16 69	63	65 71	56	47	36 45 37 45	37 41	Wind noise - 3 min excluded Wind noise dominant	6	9 1	1 13	13	14 13	14	16 19	21	23 26	29 31	32 3	33 33	35	35 35	32	34 3	<u>11 29</u>	27	25 22	4 19	15
06-10-2023 5:00 Da	ry No	AL15 SV	AN 977A SN-69507	11.	5 90	0 1	17 54			54	46	35 44	33	Wind noise dominant - 1 min excluded	3	12 1	5 16	17	17 16	16	19 20	22	23 27	30 32	33 :		23	34 33	32	23 2	2 30		32 24	4 21	16
08-10-2023 8:15 Oc 08-10-2023 8:30 Oc	ry No	AL15 SV	AN 977A SN-69507	15.	1 83	0 1				51	46	37 42	37	Wind noise - 4 min excluded	7	10 1			14 13		16 19	21	23 25		32 3		32			32 2			25 23	3 20	
				13.	2 52	0 1	18 58	58 65	68	57	45	36 42 36 44	37	Wind noise - 4 min excluded	5	5 5	9 10		14 13	12	15 15 14 16	19	22 25 21 24		32 3	31 31	31	31 30 41 32	31	34 3 32 3		2 26	25 23 24 21	15	13
08-10-2023 9:00 Da	ky N3	ALIS SV	AN 977A SN-69507	12	5 103	0 1	19 56	59	62	52	44 :	37 43	37	Wind noise - 2 min excluded	5	9 1	1 12	13	13 13	15	17 19	20	22 25		31 3	32 32		32 31	33	34 3			25 22	12 19	
08-10-2023 9:00 Da 08-10-2023 9:15 Da 08-10-2023 9:30 Da	ry No	AL15 SV AL15 RV	AN 977A SN-69507 AN 977A SN-69507	13.	7 95	0 1	19 54	52 54	64	53	45	36 43 35 42	37	Wind noise - 3 min excluded	7 4	7 1	12 14 8 0	14	14 14	14	15 15	20	22 25	28 30 27 29	32 3	33 33	32	33 32	32	33 3	10 31	30	26 23	13 20	15
08-10-2023 9:45 De 08-10-2023 10:00 De 08-10-2023 10:05 De 08-10-2023 10:30 De	vy No	AL15 SV	AN 977A SN-69507	13	105	0 2	20 52	52	64	54	46	34 43	37	Wind noise - 2 min excluded	7	12 1	4 15	16	17 16	15	15 17	19	21 24	27 30	32 3	32 32	32	35 33	31	32 3	11 32	31	28 23	3 20	
06-10-2023 10:00 Os	vy No	AL15 SV	AN 977A SN:69507	13	91	0 2	20 50	53	65	52	44	33 41	35		2	6	7 8		8 10	10	12 15	17			28 2		33	30 31	32	32 2			23 20	a 17	13
08-10-2023 10:15 Da 08-10-2023 10:30 Da	ry No	AL15 SV	AN 977A SN:59507	12.	2 105	0 2	21 47	57	65 61	51	44	23 41 34 41	37		8	10 1	y 10	10	10 10	13	13 15	19	20 23	27 29	28 2 31 3	29 29 31 30	29	30 27 28 28	32	34 3 33 2	5 28	28	27 22	2 19	15
08-10-2023 10:45 Oc 08-10-2023 11:00 Oc	vy No	AL15 SV	AN 977A SN-69507	10.	1 54	0 2	22 44			53	44	34 42	37	Aircraft noise - 2 min eacluded	4	7	8 9	9	10 15	17	23 25	25	33 29		32 :	32 31	30 :	31 28	25	28 2	15 25	25	23 21	11 18	14
				12.	2 50	0 2	21 44	67	58 71	61	54	33 50	37	Wind noise - 2 min excluded	7	10 1	1 14	15	14 14	14	15 17	19	20 24	25 29	31 3	33 36	42	45 45	35	36 3	14 32	31	27 22	4 19	15
08-10-2023 11:15 Oc 08-10-2023 11:30 Oc	ry No	AL15 SV	AN 977A SN:69507	2.	4 96	0 2	22 40	65	70	62	55	34 49 35 51	37	Wind noise - 2 min excluded Wind noise - 1 min excluded	9	12 1	4 16	15	15 16	15	16 15	20	21 24	27 29	31 3	33 38	44 -	44 45	36	36 3	a 32	2 29	27 24	14 21 14 21	16
08-10-2023 11:30 Da 08-10-2023 11:45 Da 08-10-2023 12:00 Da	vy No	AL15 SV	AN 977A SN-69507	10.	1 67	0 2	22 41	53 67		47	41	32 38	33		2	5	6 6	7	7 8	9	11 13	15		23 25 29	26 2			28 25 37 36	25	29 2 32 3			23 18 26 22		
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08-10-2023 12:15 Oc 08-10-2023 12:30 Oc	ry No	AL15 SV	AN 977A SN-69507	13.	0 129	0 2	22 37	58	61	50	43	31 40	35		4	ε	7 9	8	9 10	11	13 15	18	20 22	25 27	29 2	29 29	29	33 25	23	31 2	7 26	5 26	24 20	0 17	13
08-10-2023 12:45 Da	ry No	/L15 SV	AN 977A SN-69507	10.	5 101	0 2	22 38	62	56	52	44	31 41	36		5	8 9	0 11	12	12 12	13	15 17	19	21 23	26 25	30 :	31 31	30	33 31	33	31 2	7 25	25	23 21	1 18	
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08-10-2023 13:15 Oc 08-10-2023 13:30 Oc	ry No	AL15 SV	AN 977A SN-69507	2.	7 113	0 2	23 35	63 61		49	42	30 39	34		2	5	8 8	š	9 9	10	11 14	16	17 19 18 21	24 25	25 2	25 28	32	29 29	25	29 2	10 32 16 25		24 17 22 19	2 15	12
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08-10-2023 14:30 Or	nr Ni	AL15 SV	AN 977A SN-69507	11.	2 92	0 2	23 35			53	44	31 43	35		2	4 1	6 7	- 8	10 13		19 23	19	20 22	24 26	26 2		29 -	40 33	30	29 2	15 25	25	23 19	19 18	13
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08-10-2023 15:30 Da	ry No	/L15 SV	AN 977A SN-69507	2	97	0 2	23 34	56	58	51	42	32 40	33		- 1	4 :	5 6	7	7 7	9	11 14	16	18 21	24 25	25 2	27 26	27 :	32 28	31	31 2	7 27	7 27	24 19	2 16	12
08-10-2023 15:45 De 08-10-2023 16:00 De	ry No	/L15 SV	AN 977A SN-69507	2.	25	0 2		58	61	48	40 :	25 37	30		- 5	-3 6 1	1 0	4	2 4	- 6	7 50	13	15 17	20 21	23 2	23 23		26 26 26 28	30	25 2	24	4 24	22 16	15 13	- 9
08-10-2023 16:00 De 08-10-2023 16:15 De	ry No	AL15 SV	AN 977A SN:69507	13.	3 77	0 2			57	47	41	28 37	31		3	2 1	5 4	5	5 5	6	8 11	14	19 21 15 19 16 20	21 24	28 2			26 28	25	32 3 30 3			22 19	7 15	13
08-10-2023 16:30 De 08-10-2023 16:45 De				10.	1 59	0 2			55	47	40	29 37	33		1	4	6 7	- 6	7 8	- 6	10 13	15	16 20	21 25					27					15 15 17 14	_11
06-10-2023 15:45 Os	ry No	#L15 SV	WN 9/7A 5N:59507	8.	0 52	0 2	22 38	56	60	50	41	30 38	34		1 1	4 1	9 5	- 5	12 12	11	12 13	15	17 21	24 26	27 2	27 26	25	25 24	27	25 2	a 29	25	22 17	4 14	10
08-10-2023 17:00 Oc 08-10-2023 17:15 Oc	vy No	AL15 SV	AN 977A SN-69507	14	4 52	0 2	20 47	72	76	50	45	35 48	34	Vehicle noise - 1 min excluded	3	- 5	8 16	29	13 17	22	27 37	29	31 31	32 33	35	36 36	35	34 33	34	35 3	5 40	39	31 22	2 18	
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End Time Time Location Logger Mine Weather Date	Brander France	Raw 15-n	minute Statis	stical Data	1 000	Logsum LAeq15min to LAeq 5530 Hz	Lmax Requires Further Review		Raw LAsq timin 20Hz 25Hz	1/3 Spectrum	ens. Tens. Tens.	I nome.	cons. Large. Large.	Large Lan	nu. Leonu. Leo	u. Ferrus Ten	u. Inu. Irau	a Ir mu. Imu. In	nu. Iv mu. I	u. Inu. Ira	u. Ima. I	mu. Irraud mu.
Period Wind Speed Wind (kmhr) Direi	Rainfall Temp tion (mm) (oC)	(%)	DAMES D	KI LAIU	LASO LASQ	(incl +2.3 dB correction)	Review		20HZ 25HZ	31.5HZ 40HZ	SURZ GARZ BURZ	10012	125HZ 160HZ 200H	250/0 31	SHZ 400HZ SOL	nz counz ao	JPIZ 1672 1.256	12 1 SKH2 2XH2 2	3.15872 4	KP12 SAP12 6.38	nz aknz	URTZ 12 SRTZ 16472
08-10-2023 17:30 Day NML15 SVAN 977A SN-69507 14.6	46 0 2	0 51 75	79	55 43	34	2	1	Comments (dominantholeworthy sources). Vehicle noise - 1 min excluded		5 9 11	25 26	16 23	27 23 2		26 32	34 35	37 37	37 36 35	36 36	33 34	29 25	26 20 15
08-10-2023 17:45 Day NML15 SVAN 977A SN403507 14.0 08-10-2023 17:45 Day NML15 SVAN 977A SN403507 14.0	60 0 1	9 58 58	60	53 45	35	43		Wind noise, Aincraft noise - 5 min excluded	5	9 11 12	12 13	13 14	15 18 2 14 16 1	0 21	25 28	31 32	32 31	31 31 33 30 29 28	33 23	30 29 29 28		22 19 15 21 18 14
08-10-2023 18:15 Evening NML15 SVAN 977A SN-69507 13.7	71 0 1	8 63 64 7 65 61	65	50 43 52 43	36	41 3		Wind noise dominant	4	9 10 5 9 10		12 12 10 11 13 13			29 27 23 26 25 27	28 30	30 30 33 32	30 29 28 31 28 29 31 30 28	32 32 29 28	32 31		20 16 12
08-10-2023 18:30 Evening NML15 SVAN 977A SN 69907 14.4 08-10-2023 18:45 Evening NML15 SVAN 977A SN 69907 13.7 08-10-2023 19:00 Evening NML15 SVAN 977A SN 69907 13.0	73 0 1 70 0 1	7 65 61 7 66 61	63	52 43 54 46	36	42 3 45 4		Wind noise dominant Wind noise dominant	9 1	1 14 15 2 16 17	18 18	13 13	15 18 2 18 20 2	2 24	25 27 27 27	33 34	35 32 36 35 33 32	31 30 28 35 33 32	29 28 33 31	33 28 34 29	25 25	24 21 17
08-10-2023 19:15 Evening NWL15 SVAN 977A SN:69507 16.2	71 0 1	6 72 55 6 74 56	58 58	50 44 47 44	38	41 3		Wind noise dominant Wind noise dominant	- 5 - 4	9 10 12 7 9 9	9 10	10 11	15 18 2 14 17 1	9 21	25 28		32 31	31 30 29 30 29 28	29 30	33 27 32 26	25 24 23	22 19 14 21 18 13
08-10-2023 19:30 Evening NML15 SVAN 977A SN-60507 14.4 08-10-2023 19:45 Evening NML15 SVAN 977A SN-60507 12.2	71 0 1 70 0 1	6 74 53 5 75 58	54 60	46 41 48 40	35	30 3		Wind noise dominant Wind noise dominant	5	5 7 8 9 9 11		9 10 11 12	12 16 1 14 16 1	8 20 8 19	23 26 22 25	28 29 27 28	29 29 30 29	26 27 26 29 27 26	27 29 26 29	31 24 31 24	23 22 23 22	
08-10-2023 20:00 Evening NML15 SVAN 977A SN 62997 12.6 08-10-2023 20:15 Evening NML15 SVAN 977A SN 62907 11.9 08-10-2023 20:20 Evening NML15 SVAN 977A SN 62907 10.8	62 0 1 65 0 1	5 76 50 5 78 57	53 58	45 39 44 39	31	37 3		Wind noise - 4 min excluded Wind noise dominant - 4 min excluded	0	3 6 6	5 S	7 8	10 14 1 10 13 1	5 17	20 23	25 26 25 26	27 26 27 26	24 23 22 24 23 22	23 27 22 26	31 21 29 21	20 19	17 14 10 17 14 10
08-10-2023 20:45 Evening NWL15 SVAN 977A SN:69507 9.0	70 0 1 66 0 1	5 78 49 4 79 58	50	41 35 43 35	28 28	33 2	3	Wind noise - 2 min excluded	4 -	1 1 2	2 2	4 4 5 5	7 10 1 9 11 1	2 14 4 15	17 19 18 21	21 22 24		20 19 18 26 24 21	19 24 21 24	25 18 25 19	17 16	14 12 8 16 13 9
05-10-2023 21:00 Evening NML15 SVAN 977A SN-69507 9.4 05-10-2023 21:15 Evening NML15 SVAN 977A SN-69507 7.2	61 0 1 55 0 1	4 79 54 4 80 47	55 49	43 36 41 35	30 29	34 3		Wind noise - 3 min excluded	-1 -2	2 4 5	8 7	7 6	8 11 1	3 15	19 22 18 21	24 25 22 23	25 24 23 22	22 22 21 21 20 20	21 23	25 19 26 19	18 17 18 16	15 12 8 14 12 8
08-10-2023 21:30 Svering NML15 SVAN 977A SN-02507 9.0 08-10-2023 21:45 Evening NML15 SVAN 977A SN-02507 9.7	55 0 1	4 81 55	57	43 37	31	35		Wind noise dominant - 4 min excluded	-1	3 4 4	6 6	5 S	10 13 1	5 16	20 22	24 26	26 25	24 24 22	22 24	25 21	20 18	16 13 9
08-10-2022 22:00 Evening MAL15 SVAN 977A SN-62507 12:2 08-10-2022 22:15 Night NML15 SVAN 977A SN-62507 13:7	64 0 1	4 81 55 4 81 50	58	46 40 44 40	33	37 3	Ok. 550 dBA	Wind noise dominant	3	7 9	9 9	9 9	12 15 1	7 19	22 25	27 28	28 27 28 27	26 25 24 26 25 24	24 24	25 23	22 21	19 15 11
08-10-2023 22:30 Night NML15 SVAN 977A SNE0S00 13.7 08-10-2023 22:30 Night NML15 SVAN 977A SNE0S007 14.0 08-10-2023 22:45 Night NML15 SVAN 977A SNE0S007 11.5	65 0 1	4 81 55 4 81 43	56	44 37		35	Check, above 50 dBA Ok, 550 dBA	Wind noise dominant, LAmax - 5 min excluded	-1	2 5 6	7 7	6 7	10 13 1	7 19 5 17	20 23	25 25	26 27 26 27 22 21	25 23 22	24 29 22 22 18 19	22 20	19 18	16 13 9
05-10-2023 23:00 Night NWL15 SVAN 977A SN-69507 8.3	59 0 1	4 53 45	45	39 33	27	31 2	Ok, 550 dBA		- 5 -	2 1 0	2 2	3 4	7 9 1	1 13	17 19	21 21	21 20	20 19 16 19 16 16	18 19	19 17	16 15	13 11 7
06-10-2023 23:00 Night NML15 SVAN 977A SN-62697 8.3 06-10-2023 23:15 Night NML15 SVAN 977A SN-62697 7.6 06-10-2023 23:30 Night NML15 SVAN 977A SN-62697 10.4	65 0 1 65 0 1	3 54 45 4 54 50	46 51	40 35 43 38	28 31	32 3	Ok, 550 dBA Ok, 550 dBA	Wind noise dominant - 3 min excluded	-4 -	1 0 0	2 2 5 5	4 5 5 7	8 10 1 10 13 1	2 14 5 17	17 20 21 24	22 23 26 26	23 22 27 26	21 20 19 25 24 23	19 20 22 23	20 18 23 21	17 16 20 18	14 11 7 16 13 9
08-10-2023 23:45 hight NML15 SVAN 977A SN:62507 9.7 09-10-2023 0:00 hight NML15 SVAN 977A SN:62507 11.2	72 0 1	3 83 45 4 83 42	49 44	40 37 35 31	25 25	34 29 2	Ok, 550 dBA Ok, 550 dBA	Wind noise - 4 min excluded	-4 -	2 -1 0	-1 -1	1 2	8 11 1 4 7 1	3 16 0 12	19 22	19 19	24 24 19 18	23 22 21 17 16 16	21 22 16 19	23 19	15 13	14 11 7 12 9 6
09-10-2023 0:15 Neek NWL15 SVAN 977A SN-69507 9.7 09-10-2023 0:30 Neek NWL15 SVAN 977A SN-69507 9.4	69 0 1 74 0 1	3 54 43 3 54 51	46 56	35 31 35 31	26 26	29 2 29 2	Ok. 550 dBA Check, above 50 dBA	Bird noise LAmex	-9 -	7 4 4	-1 -1	1 2	5 8 1	0 12	15 17	19 19	20 19 19 18	18 17 17 17 17 16	17 19	19 16	15 13 14 13	11 9 6 11 17 12
09-10-2023 0-45 Name NAM 15 SUBN 9774 SN-69507 7-2	65 0 1 64 0 1	3 54 45 3 55 42	45 44	37 31 38 32	26 26	30 2	Ok, 550 dBA Ok, 550 dBA		-7 -	5 2 4	0 0	2 2	5 8 1	1 13	15 18	20 20	20 19 21 20	18 18 17	17 17 17 18	17 16	15 14	12 9 6 12 9 6
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09-10-2023 1:35 Night NML15 SVAN 977A SNESSO7 7:2 09-10-2023 1:45 Night NML15 SVAN 977A SNESSO7 7:2 09-10-2023 2:00 Night NML15 SVAN 977A SNESSO7 7:9	71 0 1	3 85 44 3 85 40	46	33 27	23	26 2	Ok, 550 dBA Ok, 550 dBA		-8	4 9 4	7 7	5 7	4 5	7 9	12 14	16 16	16 15	14 13 13	13 14	14 13	13 12	10 8 5
09-10-2023 2:15 Night NML15 SVAN 977A SN-69507 7.9	73 0 1	3 85 40 3 85 45	47	35 26	19	25 2	Dk, 550 dBA		-10 -	6 5 5	-3 -2	-1 0	2 4	6 8	11 13	15 16	15 14	13 13 13	13 13	13 13	12 12	10 8 5
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09-10-2023 16:05 Day NML15 SVAN 977A SNE0307 7-2 09-10-2023 16:15 Day NML15 SVAN 977A SNE0307 9:0 09-10-2023 16:30 Day NML15 SVAN 977A SNE0307 6:1	73 0 2	4 30 50	63	49 35 55 46	27 26	3/ 3 42 2				4 4 5	0 7	15 5	4 5	3 14 9 11	17 20 14 16	21 23 18 18	24 25 18 18	20 30 30 27 33 37	35 34	29 23	21 17	13 11 8
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End Time Time D Period	Location	ogger	Mine Weathe Wind Speed	er Data	Ta Ta		Raw 15-mir	rute Stat	istical Data			Logsum LAsq15min to LAsq S530 Hz	ta Lmax Requires Further Review		Raw LAso	15min 1/3 Sg	pectrum									Leave Leave Leave								
Penso			(kmhr)	Direction	Rainfall Temp (mm) (oC)	(%)	LATEX D	AMER I	A1 LA	do La	io Lveid	(incl +2.3 dB correction)	Reven		2012	23FIZ 31.5	artz 40Ptz	SUPE	Gartz	BUPTZ 11	M2 125M2	160HZ 200	12 250PU .	HSMZ 400P	2 SOUNZ	630FZ 800FZ 1KH	1.25870	1.0KHZ 2	250%	2 3.158912	44212	SAPIZ G.SAPIZ	akrtz 10km	2 12502 1602
09-10-2023 23:45 Night N	WL15	SVAN 977A SN-69507	6.5	5 54	. 0	15 79	42	43	37	30	23	28	25 Ok, 550 dBA	Comments (dominantholeworthy sources).	-7	-5	4 3		0 2	-	1 4	7	9 10	13	15 16	17 17	16 15	15	15 1	17 17	17	15 15	14	12 10 6
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11-10-2023 5:00 Night Ni 11-10-2023 5:15 Night Ni	ML15 3	SVAN 977A SN-69507 SVAN 977A SN-69507	4.0 2.9 2.0	150	0 0	15 73 14 76 14 79	50 5 65 65	52 68	62 61	38 58 57	31 43	54 53	Check, above 50 dBA Check, above 50 dBA	Bird noise LAmex Bird noise LAmex - 1 min excluded	-14 -15	-13 -11	4 2 4 1	10	5 5 9 7	7 8 7	5 8 4 6		8 12 6 11 7 10	16 11	18 19 15 16		22 28 39 43 36 41	18 46 40	17 2 40 4	22 22 85 47 86 47	25 40 42	25 22 41 45 43 45	15 40 41	9 7 4 20 12 8 22 14 10
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End Time	Time	Locatio	n Logger	Mine Weath	er Data			Day 1	Samirada S	Statistical Dat	ta .		Loosum LAeg15min t	ta Lmax Requires Further		Rang LAco.	Smin 1/3	Sperinum																			
LIG IIII	Derion		Logge	Wind Speed		Rainfall To	emp Humidi				LA10 LAG	0 4	leq LAq s630 Hz	Review					OHz SOH	ESH:	SOH: 11	100Hz 125	5Hz 160H	z 200Hz 2	50Hr 31	SHY JACON	z Soortz	530H+ 50	OHz Tikha	1.258/1	1.5kHz 280	tr. 2.5366+	3 15300+ 4300+	55Hr 5 3	atte I matte	109Hr 1127	setz I teatte
		-		(kmhr)	Direction	(mm) (o	C) (%)	-,				· [fincl +2.3 dB				[_					
													correction)																						- 1 - 1		
				l										.3	Comments (dominant/hoteworthy sources).																				- 1 1		
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11-10-2023 6	15 Note	NWL15	SVAN 977A SN-69507	4.0	37	0	14	50 6	66 6	50 50	50	34	47		Bird roise LAmax, Aircraft noise dominant - 4 min excluded	-13	-10	- 6	- 1	11 7	11	12	10 1	11 12	14	17 .	21 25	29	31	32 4	41	29 3	34 3	5 37	33 25	15	9 5
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			SVAN 977A SN-69507	21	114		14	53 6	63 6	56 54	45	31	42		Bird noise LAmix. Aircraft noise dominant - 2 min excluded	-14	-6	- 2	4	9 11	25	23	17 1	1 11	12	15	30 23	28	30	28 3	1 14	33 3	35 3	3 26	28 23	11	8 5
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11-10-2023 7		NWL15		1	154		15	79 6	53 5	57 50	41	30	39	12		-12	-6	- 3		15 11	16	17	15 1	7 17	16	18	20 24	25	26	25 2	1 24	25 2	29 3	9 34	29 25	12	8 5
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11-10-2023 8		NML15		- 1	37	0	10	57 5	65 6	57 47	35	27	37	22	Ancian nome *2 min encoded	-13	-5	- 7	-2	3 3		7	5 .	5 6	6		10 12	15	18	21 2	34	26 2	31 3	0 25	26 23	12	8 5
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11-10-2023 8		NML15		- 1	1 171	- 0	20	E3 6	63 6	55 50	70	37	71	20		-13	- 0	-7	- 7			- 12	- 7	7 10	10	12	35 33	10	20	21 2	20	35 3	30 3	7 75	20 21	120	
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11-10-2023 11		NML15		6.3	237		25	34 6	65 6	57 51	41	26	40	36		-8	-7	- 6	-2	1 15	5 14	20	24 2	25	25	24 :	24 24	23	21	21 2		27 2	34 3	1 26	22 17		25 19
11-10-2023 12		NML15		7.	291		25	32 6	65 6	57 65	54	25	52	26		-13	-11	-4	-7	-3 1	4	3	2	7 13	19	13	17 20	17	12	22 2	27	25 2	33 2	5 24	23 25	45	50 32
11-10-2023 12		NML15		9.1	259		26		64 6	57 65	60	25	55	36		-7	-5	- 3	-1	3 10	11	23	27 2	15 22	23	23 :	21 21	21	21	21 21	3 22	25 2	28 3	0 25	25 31	49	53 42
11-10-2023 12		NML15		6.1	267		26	31 5	54 5	55 47	38	25	35	32		-13	-9	- 4	-5	2 10	11	16	19 2	14 22	20	20	19 19	19	20	20 2	3 24	25 2	28 2	3 19	18 17	11	10 8
11-10-2023 12		NVL15		7.0	210		27	29 6	61 6	55 46	35	27	36	32		-9	-7	-4	0	3 6	5 9	10	15 1	17 20	21	22 :	22 21	20	12	19 2	22	23 2	27 2	1 25	25 25	14	11 8
11-10-2023 13		NML15		5.0	290		27	29 7	76 7	78 53	39	25	45	27		-12	-11	- 4	-6	-2 0	5	5	5	9 12	13	14	15 17	20	21	27 3	7 39	40 3	32 2	4 24	27 19		13 7
11-10-2023 13		NWL15		5.1	324		27	28 6	62 6	54 49	40	27	36	34		-8	-6	-4	-3	0 6	23	26	11 2	14 24	19	20	21 21	21	21	20 2	29	30 3	27 2	5 25	26 17		11 8
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11-10-2023 15	OO Day	NWL15	SVAN 977A SN-69507	6.1	103	0	26	24 5	56 5	58 50	39	25	37	24		-14	-12	-10	7	ý,	5	n	n	7 9	11	10	15 16	16	15	19 2	15	19 2	24 2	1 19	17 16	30	34 26
11-10-2023 15		NVL15		10.	133	0	27	25 5	59 6	51 48	35	25	36	29		-7	-5	-4	-2	0 2	7	8	16 1	13 12	17	15	19 20	20	21	22 2	24	20 2	28 2	2 29	20 16	19	20 10
11-10-2023 15			SVAN 977A SN-69507	5.1	105		20	24 5	57 6	50 49	35	26	36	33		-9	-6	4	2	2 7	1 2	20	22 2	12 21	22	23	55	20	20	21 2	4 21	22 2	28 2	2 23	25 20	16	15 9
11-10-2023 15		NVL15		10.	126	0	25	25 5	51 5	55 42	32	23	31	22		-14	-13	-11	-9	-7 -4	-1	-1	-2	1 4	8	7	12 14	15	17	18 1	15	17 2	24 2	0 19	21 20	13	14 10
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11-10-2023 16		NVL15		4.1	104	0	27	25 5	56 5	59 45	34	23	34	22		-14	-12	-10	-7	-4 -1	0	-2	1	2 4	6	5	13 13	16	17	18 2	3 23	21 2	26 2	1 27	22 22	15	10 7
11-10-2023 16		NML15		5.1	141	0	27	25 7	71 7	74 53	40	24	42	21		-14	-12	-10	-8	-6 -4	-1	-1	-2	0 2	- 4	5	10 12	16	19	20 21	3 25	24 2	26 2	9 38	33 35	15	11 10
11-10-2023 17	:00 Day	NML15	SVAN 977A SN-69507	2.2	130	0	27	24 7	70 7	73 45	35	25	35	30		-14	-11	-9	-7	-3 12	13	18	15 1	5 21	17	17	17 17	20	21	21 2	23	24 2	24 2	4 33	34 27	13	12 7
11-10-2023 17	15 Day	NML15	SVAN 977A SN-69507	3.2	120	0	27	24 7	71 7	72 52	37	25	41	20		-15	-14	-11	-8	-5 0	-1	-1	-4	1 3	6	10	12 17	21	23	32 3	23	22 2	31 3	3 29	25 20	12	10 6
11-10-2023 17		NVL15	SVAN 977A SN:69507	2.	36	0	27	24 6	54 6	57 44	34	23	34	22		-16	-14	-11	-10	-3 -2	-1	-1	-2	-2 0	- 4	7	13 13	16	19	20 2	3 17	17 2	25 2	5 27	25 27	16	13 7
11-10-2023 17	45 Day	NML15	SVAN 977A SN-69507	1.0	183	0	26	26 5	53 5	56 46	39	26	36	30		-15	-11	-10	-7	0 7	7	20	22 1	6 16	19	18	19 18	18	19	19 2	4 25	25 2	27 2	7 24	24 20	11	8 5
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11-10-2023 19				10	45		21	36	51 5	52 50	42	43	47	14	Wind noise Aircraft poise dominant	1 3	-3	- 4	- 1	13 12	15	16	18 3	11 17	18	20	22 24	26	25	24 7	1 23	22 2	41 4	4 35	22 23	17	14 10
11-10-2023 19		no NM 15		7	57		77	43	52 5	53 50	41	42	46	15	Wind noise dominant	2	- 5	7	7	8 5	1 3	9	11	4 16	18	22	24 27	28	28	27 2	25	24 2	40 4	2 34	24 23	20	17 13
11-10-2023 19		ng NML15			57	- 0	77	40 4	63 6		- 77	40	43	12	Wind noise dominant	1 1	- 1		-	7 7		- 0	10		17	30	22 24	70	36	24 2	32	31 2	70	0 34	22 20	1 20	14 13
11-10-2023 19		no NM 15	SVAN 977A SN 69507	1 1	54		71	52 5	51 5	53 45	47	70	43		Wind noise - 2 min excluded	- 4	- 1	- 1	- 2	6 3	1 3	- 2	10	3 14	16	10	22 24	25	25	24 2	1 22	21 2	77	1 21	21 20	18	15 11
11-10-2023 20		ng NML15		10	57		77			- 40	45	77	40		Wind noise dominant - 2 min excluded	-	- 2	- 1	-	-		10	- 12			70	27	- 2	36	34 3	22	22 2	34	33	21 21	18	
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11-10-2023 21	ou giveni	ng NML15		- E:	72				51 5	24 45		34	39	74	Wind noise - 1 min excluded Aircraft noise - 2 min excluded	- 1	2	- 4	- 5	4	1 5	- 6	11	4 14	15	18 .	£1 22			24 2					19 19		13 10
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11-10-2023 21			SVAN 977A SN-69507 SVAN 977A SN-69507	6.	53		10	E2 4	47 4	49 44	42	32	38	28		-6	-4	-2	0	3 2	1 5	5	7	21 11	13	16	15 20	21	21	20 1	15	17] 2	29 :	5 22	17 17	13	11 8
11-10-2023 22	OU SVENI	ng INML15	DVAN 977 A SN: 60507	5.1	1 63	. 0	10	70 4	40 4	19 44	43	32	39	Car .		-6	-4	-2	-1	J 2	1 7	- 5	4 '	IU 12	13	10	T# 21	21	21	20 1	15	10 2	H 31 :	J 22	1/4 17	1 34	11 8

End Time Location Logger Mine Weather Data Raw 15-minute Statistical Data Logaum LAeq15-min	to Linex Requires Further	Rev Lies time to Spectrum
Period Wind Speed Wind Rainfall Temp Humidity LAmax LAI LAIO LAGO LAeq LAeq 5030 Hz (lmhtr) Direction (mm) (oC) (%) LAmax LAI LAIO LAGO LAeq (lncl+2.3 dB	Review	2016 2016 2016 2016 2016 2016 2016 2016
04-10-2023 22:15 Naght NAIL16 SUNN 977D SN-99019 15.7 1 0 20:2 74 64 68 50 43 36 43	Comments (dominantinoteworthy sources). Check, above 50 dSA Wind Exceedance - Exclude	1 3 5 6 8 8 10 11 14 16 29 23 24 27 28 28 29 29 29 20 30 36 36 29 28 27 22 13 6
04-10-2023 22-30 Market MARI 16 SVAN 977D SN-99019 191 2 0 20.1 75 62 65 54 47 40 45	11 Check, above 50 dBA Wind Exceedance - Exclude	5 7 8 9 10 10 11 18 32 27 29 28 28 29 30 31 32 32 32 31 32 38 32 31 32 31 30 25 16 6
04-10-2023 22-0 bage 1 AM.16	8 Check, above 50 dBA Wind LArexx - Endude 17 Check, above 50 dBA Wind LArexx - Exclude 14 Ch., 520 dBA Wind LArexx - Exclude Wind Exceedance - Esclude	9 12 15 16 12 15 15 16 17 19 24 26 27 28 30 30 31 31 31 31 32 36 38 32 32 32 31 32 17 8 4 6 8 8 8 13 11 13 11 13 14 17 22 24 28 29 29 29 29 29 29 29 29 29 29 29 29 29
04-10-2023 23-30 MgH NML 16 SUNN 977D SN90019 15.1 340 0 19.6 78 54 55 46 42 35 39 0-10-10-2023 23-45 MgH NML 16 SUNN 977D SN90019 12.2 331 0 19.1 82 49 53 42 40 30 36	Check, above 50 dBA Wind LArrax - Exclude	4 6 7 9 8 10 11 10 18 17 18 12 18 17 18 17 18 17 18 17 18 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18
0+10-2023 23-45 Night Nex. 16 500N 9775 SH09019 12.2 331 0 19.1 82 49 53 42 40 30 56 051-2023 000 Night Nex. 16 500N 9775 SH09019 10.4 322 0 19.2 8 95 50 52 40 33 29 54 051-2023 000 Night Nex. 16 500N 9775 SH09019 10.4 320 0 19.2 8 150 52 52 40 33 29 54 051-2023 000 Night Nex. 16 500N 9775 SH09019 10.1 320 0.1 19.8 55 57 52 60 50 44 34 42	5 Ok, 500 ddA 6 Check, above 50 dBA Estraneous LAmax	5 4 3 1 9 1 2 4 6 7 9 11 13 16 77 18 11 13 17 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 10 16 16 16 17 1
05-10-2023 0.30 Night NML16 SUNN 977D SN:90019 4-7 201 0.1 17.7 95 53 56 50 45 42 44 05-10-2023 0.45 Night NML16 SUNN 977D SN:90019 7.6 123 0 17.3 98 50 52 45 43 41 42	7 Check, above 50 dBA Estraneous LAmax 22 Ok, 550 dBA	36 43 45 4 1 3 4 1 1 3 6 9 44 17 20 22 22 24 25 25 26 27 27 4 38 30 30 30 28 22 44 7 17 17 17 17 17 17 17 17 17 17 17 17 1
	IS Ok, SSO dSA Rain - Exclude	5 7 7 9 11 11 12 14 17 18 19 21 23 25 26 27 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28
05-10-2023 130 Night NML16 SVAN 977D SN-99019 14.4 165 1.5 1.3 100 60 65 55 53 41 49 05-10-2023 140 Night Ni	6 Check, above 50 dBA Rain Exceedance - Exclude 16 Check, above 50 dBA Rain Exceedance - Exclude 15 Check, above 50 dBA Rain Exceedance - Exclude	4 5 7 6 15 11 12 15 15 12 22 22 22 22 22 23 23 24 24 25 25 24 25 25 24 25 25 25 25 25 25 25 25 25 25 25 25 25
05-10-2002 200 Night MAR.15 5 UNN 9770 EN20019 10.8 157 0.8 11.9 100 45 51 44 41 38 40 001-0002 200 Night MAR.15 5 UNN 9770 EN20019 10.8 157 0.8 11.9 100 45 51 44 41 38 40 001-0002 200 Night MAR.16 5 UNN 9770 EN20019 10.4 159 0 11.8 100 65 65 53 44 40 44 44 44 44 44 44 44 44 44 44 44	II Dk, 550 dBA Rain Exceedance - Exclude	4 2 0 2 5 6 8 11 15 16 18 20 21 21 21 22 22 22 22 23 24 26 33 23 23 26 26 27 22 14 5 6 4 2 0 3 4 7 11 13 15 17 16 18 19 19 12 22 24 22 24 24 26 27 40 34 20 30 27 22 14 6 26 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28
	5 Check, above 50 dBA RTN LAmax - 2 min excluded 10 Dk, 550 dBA RTN LAmax - 2 min excluded 10 Dk, 550 dBA	-11
05-10-2023 3:00 Neight NAML16 SUAN 9770 SN:99019 4.7 118 0 11.6 100 45 50 42 41 39 40 05-10-2023 3:15 Neight NAML16 SUAN 9770 SN:99019 4.7 66 0 11.5 100 46 50 42 41 27 37	19 Ok, 550 dBA	-17 -13 -13 -1 9 -2 1 7 1 0 1 3 5 10 7 9 10 10 11 12 13 20 36 27 19 22 17 12 6 2
65-10-2023 2 10 Regist Adult 6 20 AN 877 DE 850210 4 7 00 0 11.0 100 40 50 40 14 27 37 30 05-10-2023 2 40 Regist Adult 6 20 AN 877 DE 8502010 6 1.0 20 11.0 11.0 100 40 50 40 30 34 27 33 05-10-2023 2 40 Regist Adult 6 20 AN 877 DE 8502010 4 11 0 11.0 11.0 10.0 40 50 30 34 20 33 05-10-2023 2 40 Regist Adult 6 20 AN 877 DE 8502010 4 11 0 11.0 11.0 10.0 40 50 30 34 20 31 30 20 30 34 30 30 30 30 30 30 30 30 30 30 30 30 30	S Check, above 50 dBA Bird LAmex S Dk, 550 dBA	-16 -14 -0 -1 7 5 5 7 6 6 8 12 15 15 15 15 15 15 15 15 15 15 15 15 15
05-10-2023 4:00 Night No.L 16 SVAN 977D SN-99019 2.9 326 0 11.6 100 45 50 38 33 25 30 05-10-2023 4:15 Night No.L 16 SVAN 977D SN-99019 3.2 299 0 11.6 100 46 49 40 34 24 30	00 CIX, 550 dBA	177 48 49 9 77 5 6 6 15 15 5 9 14 15 15 15 17 17 15 13 13 14 24 24 16 15 15 15 10 5 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
05-10-2022 415 MgH MR. 15 5UN 9770 SH090019 3.2 209 0 11.5 100 45 49 40 34 24 35 05-10-2022 415 MgH MR. 15 5UN 9770 SH09019 3.6 35 0 11.5 100 65 64 42 35 22 35 05-10-2022 405 MgH MR. 15 5UN 9770 SH09019 3.6 35 0 11.5 100 65 64 42 34 35 22 36 05-10-2022 405 MgH MR. 15 5UN 9770 SH09019 3.6 35 0 11.5 100 65 0 11.5 100 65 24 35 25 25 45 05-10-2022 405 MgH MR. 15 5UN 9770 SH09019 3.6 25 0 11.5 100 65 0 11.5 10	Check, above 50 dBA Bird LAmex Check, above 50 dBA RTN, Bird LAmex - 2 min excluded	15 3 4 6 7 4 4 12 9 6 8 10 14 15 19 19 20 21 21 22 23 23 24 24 24 24 24
05-10-2023 5:00 Naght NAL 16 SVAN 9770 SN-9019 6.8 150 0 11.9 100 68 72 64 59 30 54 05-10-2023 5:10 Naght NAL 16 SVAN 9770 SN-9019 6.8 150 0 11.9 100 68 72 64 59 30 54 05-10-2023 5:10 Naght NAL 16 SVAN 9770 SN-9019 5.4 344 0 12.1 100 71 74 67 62 48 59	6 Check, above 50 dBA Bird LAvax 9 Check, above 50 dBA Bird LAvax 9 Check, above 50 dBA Bird LAvax 9 Check, above 50 dBA Bird LAvax	1.56 .41 .41 .45 .45 .47 .49 .40 .45 .47 .49 .40 .45 .47 .49 .40 .45 .47 .49 .40 .48 .47 .49 .40 .48 .47 .49 .40 .48 .47 .49 .48 .47 .49 .48 .47 .49 .48 .47 .49 .48 .47 .49 .48 .47 .49 .48 .47 .49 .48 .48 .48 .48 .48 .48 .48 .48 .48 .48
05-10-2023 5-45 No. May 16 SVAN 977D SN 99019 3.6 350 0 12.1 100 75 78 66 54 35 52	Check, above 50 dBA RTN, Bird LAmix - 3 min excluded	1-13 -4 -7 -3 -2 -4 8 9 9 9 11 12 14 17 19 19 29 22 22 33 49 44 45 46 47 44 43 40 32 22 11 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1
05-10-2023 0:00 Night NAIL16 SVAN 977D SN-99019 4.0 346 0 12.3 100 71 76 65 53 37 52 05-10-2023 0:15 Night NAIL16 SVAN 977D SN-99019 3.6 334 0 12.5 100 72 75 67 55 36 53	0 Check, above 50 dBA RTN, Bird LAmax - 5 min excluded 5 Check, above 50 dBA RTN, Birds LAmax - Exclude	15 24 46 1 5 15 13 13 14 15 15 19 21 22 25 25 25 25 25 25
05-10-2022 6:30 Nagh NAL16 SUAN 9770 SN20019 2.9 317 0 12.7 59 771 74 62 50 35 49 (65-10-2023 6:45 Nagh NAL16 SUAN 9770 SN20019 3.2 200 0 13.1 56 64 69 59 50 35 47 (65-10-2023 750 Nagh NAL16 SUAN 9770 SN20019 3.2 200 0 13.1 56 64 69 59 50 35 47 (65-10-2023 750 Nagh NAL16 SUAN 9770 SN20019 5 25 200 0 13.6 50 70 73 57 47 35 44 35 45 (65-10-2023 750 Nagh NAL16 SUAN 9770 SN20019 5 200 0 13.6 50 70 73 57 47 35 44 35 45 (65-10-2023 750 Nagh NAL16 SUAN 9770 SN20019 5 20 20 0 13.6 50 70 73 57 47 35 44 35 45 (65-10-2023 750 Nagh NAL16 SUAN 9770 SN20019 5 20 20 0 13.6 50 70 73 57 47 35 44 35 45 (65-10-2023 750 Nagh NAL16 SUAN 9770 SN20019 5 20 20 0 13.6 50 70 73 57 57 57 57 57 57 57 57 57 57 57 57 57	4 Check, above 50 dBA RTN, Bidds LAmex - Exclude 6 Check, above 50 dBA RTN, Bidds LAmex - Exclude 6 Check, above 50 dBA RTN, Bidds LAmex - Exclude	-14 4 4 -5 1 1 4 8 10 10 10 9 10 12 15 22 22 27 29 31 32 3 45 43 37 39 36 22 17 9 3 1 10 10 11 14 15 22 27 27 29 34 34 35 36 34 35 36 40 41 33 37 36 36 37 36 37 36 37 37 37 37 37 37 37 37 37 37 37 37 37
05-10-2023 7:15 Day NML16 SVAN 977D SN:99019 2.2 332 0 14.1 90 68 71 57 46 32 45	Check, above 50 dBA RTN, Birds LAmex - Exclude RTN - 1 min excluded	-10 -d -1 2 7 16 21 15 54 17 19 22 22 22 22 23 23 23 24 25 25 25 3 3 3 3 3 3 3 3 3 3 3 3 3 3 2 2 7 3 3 11 11 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3
05-10-2023 7:30 Day NAL16 SVAN 977D SN:99019 4.0 261 0 14.6 85 67 70 60 50 50 34 47 05-10-2023 7:45 Day NAL16 SVAN 977D SN:99019 5.4 244 0 15.2 77 73 76 69 59 33 55	15 17	16
05-10-3023 800 Day NA.16 SUAV 9770 Sk90019 6.1 221 0 15.4 70 83 85 66 55 32 55 05-10-3023 815 by NA.16 SUAV 9770 Sk90019 6.5 216 0 15.6 70 65 60 57 47 32 45 05-10-3023 8.30 Day NA.16 SUAV 9770 Sk90019 9.0 213 0 15.8 73 77 79 60 51 32 51	RTN - 2 min excluded	4 3 1 4 9 18 10 19 27 24 25 24 27 30 32 32 35 37 40 45 50 47 44 41 46 45 37 27 16 6 9 5 7 2 2 6 10 12 11 14 13 15 17 17 17 19 20 22 24 24 29 30 31 38 38 38 38 38 38 38 32 25 3 3 22 8 3
05-10-2023 8:30 Day NAL16 SVAN 977D SN-99019 9.0 213 0 15.8 73 77 79 60 51 32 51 05-10-2023 8:45 Day NAL16 SVAN 977D SN-99019 11.5 193 0 16.2 74 67 69 57 47 33 45	RTN, Aircraft - 3 min excluded	0 2 4 6 9 11 14 15 15 17 19 19 20 22 21 22 25 27 38 29 30 31 33 32 35 35 26 35 32 19 9 4
65-10-2023 6 6 5 yr MA.16 5 10-34 5770 5485079 11.8 102 0 16.5 74 67 68 57 44 33 46 65-10-2023 6 10 5 yr MA.16 5 10-34 5770 5485079 11.8 102 0 16.5 74 67 68 57 44 33 46 65-10-2023 6 10 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0	0 9 9 17 15 16 17 18 9 20 20 22 22 27 27 28 33 31 23 33 36 38 37 39 39 41 38 34 25 17 5 1 3 4 6 8 8 10 14 33 56 15 10 12 20 21 22 22 24 27 28 28 28 28 28 28 31 33 28 28 33 33 50 33 35 36 28 18 28 28
05-10-2023 9:45 Day NML16 SVAN 977D SN:99019 12.6 196 0 17.9 64 69 72 58 48 36 46	RTN - 1 min excluded RTN - 1 min excluded	6 7 9 10 12 220 22 11 17 31 30 22 22 12 15 17 31 30 22 22 12 12 17 31 30 24 25 25 27 28 31 34 32 32 34 36 38 39 39 34 20 45 33 20 20 20 8 3 3 4 7 11 15 15 16 17 17 19 20 22 22 12 12 17 21 3 3 3 24 32 32 32 35 36 37 38 37 37 33 37 44 38 32 20 20 8
05-10-2023 10:00 Day NML16 SVAN 977D SN:99019 11:9 213 0 16 61 61 64 54 46 35 44 05-10-2023 10:15 Day NML16 SVAN 977D SN:99019 10:4 205 0 18 60 74 76 60 50 37 50	RTN, Aircraft - 2 min excluded	5 6 7 9 11 14 22 24 20 22 25 24 22 27 25 24 27 27 28 28 27 29 29 21 24 26 27 27 28 28 28 29 29 29 29 29 29 29 29 29 29 29 29 29
Delication 10 Description (Market Delication 10 Description 10 Des	5 Aircraft - 2 min excluded 5	9 18 11 15 22 24 25 27 28 28 29 29 29 29 29 29 29 29 29 29 29 29 29
05-10-2023 11:15 Day NWL16 SVAN 977D SN:99019 13.0 227 0 19 53 79 81 70 53 37 56	RTN, Aircraft - 4 min excluded	17 23 11 19 28 19 27 27 30 41 30 43 44 46 46 46 46 44 42 41 41 43 42 36 38 38 34 30 21 13 7
05-10-2023 11:30 Day NML 16 SUAN 977D SN-99019 13:3 229 0 18:9 52 77 79 61 49 38 49 05-10-2023 11:45 Day NML 16 SUAN 977D SN-99019 10:8 214 0 16:5 50 66 70 55 46 35 45	7	9 15 11 12 12 14 15 16 17 19 22 22 23 22 27 27 28 23 25 27 27 28 23 25 27 27 28 23 28 27 27 28 23 28 27 28 28 28 28 28 28 28 28 28 28 28 28 28
05-10-0223 T 1-05 Days MALE 0 2000 8770 048-0010 11.2 226 0 18.8 44 70 74 55 47 33 47 0 05-10-0223 T 1-5 Days MALE 0 5044 9770 58-0010 11.2 226 0 18.8 44 70 74 55 47 33 47 0 05-10-0223 T 1-5 Days MALE 0 5044 9770 58-0010 10.1 216 0 19.3 46 06 70 56 44 34 46 05 70 56 54 34 46 05 70 50 54 34 54 65 0 05-10-0223 T 2-10-020 Days MALE 0 5044 9770 58-0010 10.1 216 0 19.3 46 70 70 55 54 34 46 05 70 55 54 34 54 65 0 05-10-0223 T 2-0010 Days MALE 0 5044 9770 58-0010 10.1 216 0 19.3 46 70 70 55 54 34 34 65 0 05-10-0223 T 2-0010 Days MALE 0 5044 9770 58-0010 10.1 216 0 19.3 46 70 55 54 34 54 65 0 05-10-0223 T 2-0010 Days MALE 0 5044 9770 58-0010 D 2-0010	7 Million Mill	5 7 8 10 10 16 22 15 17 22 18 21 22 24 25 28 28 28 28 28 28 28 28 28 28 28 28 28
05-10-2023 12-45 Day NML16 SVAN 977D SN:99019 9.4 217 0 19.2 47 70 74 59 49 36 47	RTN, ARCHE - 4 mn escuole RTN - 1 min escuded RTN - 1 min escuded	5 10 7 11 65 15 21 20 10 20 22 24 26 27 28 30 33 34 33 35 39 41 41 35 36 31 30 21 12 6
05-10-2023 13:15 Day NAUL 16 SUAN 977D SN-99019 10.8 218 0 19.8 43 74 75 64 51 35 51	RYNY - I min ascluded Aincast, RTN - 3 min ascluded RTN - 2 min ascluded	11 15 7 16 22 21 25 22 22 30 30 34 33 41 42 41 30 36 34 34 40 41 30 38 34 32 21 13 6
05-10-2023 13-30 by MRLT6 50WW 9770 SH29019 13-7 249 0 20-3 41 71 74 31 46 36 47 05-10-2023 13-36 by MRLT6 50WW 9770 SH29019 11-2 225 0 20-2 30 70 74 61 50 33 46 05-10-2023 14-00 by MRLT6 50WW 9770 SH29019 11-9 200 0 20-2 30 82 86 62 46 35 50	KIN-2mn excused	9 11 12 13 15 15 16 11 15 15 16 17 18 15 16 17 18 15 16 17 18 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18
05-10-2023 14-15 Day MRL16 SUNN 9770 SN-99019 11-2 205 0 20-2 38 79 81 66 50 51 34 55 0 5-10 20-2 34-10 Day MRL16 SUNN 9770 SN-99019 11-2 205 0 20-2 38 79 81 66 50 34 52	RTN, Local Engine Noise for more than 5 minutes - Exclude	1 6 9 15 15 15 15 22 15 15 15 15 15 15 15 15 15 15 15 15 15
G-10-2023 1-0.0 Mg - 100.0 1 Mg - 15 - 2004 3770 SERVERUS 1-12 - 2.55 - 0. 20.2 - 30 - 79 - 81 - 65 - 75 - 34 - 52 - 65 - 20.2 - 20 - 20.2 - 20 - 20.2 - 20 - 20	RTN - 2 min excluded	-1 7 0 6 50 12 23 23 20 22 24 26 29 31 32 33 34 32 31 31 35 43 44 37 37 34 28 16 10 4
05-10-2023 5:50 Day MALE SVAN9770 SN:90019 9.7 250 0 20.3 38 72 74 53 41 30 45 05-10-2023 5:50 Day MALE SVAN9770 SN:90019 11.2 248 0 20.7 38 72 76 67 48 32 52		2 0 1 4 8 9 23 23 13 15 19 16 10 20 21 22 22 22 22 23 23 43 45 46 35 34 26 16 10 4 4 4 8 7 7 6 8 11 14 17 20 21 22 22 22 22 26 33 33 43 45 45 45 35 34 26 16 10 4 4 4 10 36 34 26 16 10 4 10 10 10 10 10 10 10 10 10 10 10 10 10
05-10-2023 15-30 Day MALE 50WN 9770 58:90019 11:2 246 0 20.7 38 72 76 67 45 32 52 52 52 52 52 52 52 52 52 52 52 52 52	7	4 4 2 7 156 12 17 18 22 21 19 22 23 26 28 28 25 24 25 28 28 27 28 28 28 28 28 28 28 28 28 28 28 28 28
05-10-2023 56-15 Day Mail 16 SUBN 0770 SN-90019 10-4 279 0 21-8 36 73 75 62 44 31 48	RTN - 2 min excluded	
65-10-2023 16:30 2my MAR.16 5040/9770 5N:95019 9.4 215 0 21.8 35 68 71 59 46 32 47 65-10-2023 16:45 2my MAR.16 3040/9770 5N:95019 9.4 215 0 218 35 75 78 63 49 33 59 65-10-2023 1700 2my MAR.16 3040/970 5N:95019 9.7 224 0 217 34 69 772 56 47 31 46	Aircraft - 3 min excluded	. 1 1 2 4 6 8 9 22 32 24 25 25 24 27 25 27 27 27 27 27 27 27 27 27 27 27 27 27
05-10-2023 17:00 Day NML16 03WN 9770 58:90019 9.7 224 0 217 24 69 72 55 47 31 46 0 10-2023 17:05 Day NML16 03WN 9770 58:90019 10.1 234 0 215 35 69 73 54 45 32 44 0 10-2023 17:30 Day NML16 3WN 9770 58:90019 9.0 241 0 21 37 63 65 59 47 31 46	RTN - 2 min excluded	3 0 6 16 29 19 11 14 14 15 16 16 22 27 2 2 2 2 2 2 2 3 3 3 32 3 4 3 6 3 2 3 3 27 2 2 16 9 3 3 7 7 7 3 3 4 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
65-10-2023 17-35 Day MM, 16 SVAN 977D SN-90019 6.5 229 0 20.1 20 69 73 62 48 28 48 65-10-2023 15-00 Zer MM, 16 SVAN 977D SN-90019 5.4 209 0 19.4 41 71 72 61 49 28 49	RTN - 1 min excluded	1:12 -0 -7 -2 4 7 10 15 14 15 13 14 17 19 19 22 23 26 31 32 38 43 43 45 35 39 36 31 20 10 4 1-14 1-0 4 2 5 15 14 15 13 20 27 27 27 28 31 32 33 32 33 44 47 35 37 35 29 99 9 3
05-10-2023 18:15 Swering NML16 SWAN 97TO SN90019 6.1 207 0 18.8 42 68 70 59 44 30 45 05-10-2023 18:33 Swering NML16 SWAN 97TO SN90019 7.2 190 0 18 44 62 64 55 46 29 43	7 Aircraft, RTN - 4 min excluded	-7 4 3 0 3 4 6 7 7 9 11 13 15 15 15 22 22 12 34 35 35 35 33 33 35 33 31 32 6 3 3 4 6 7 7 9 11 13 15 15 15 15 22 22 27 34 35 25 40 33 33 35 33 35 33 31 32 6 3 3
GS-10-2023 18:30 Sweeing NML 16 GNAN 9770 She80919 72 193 0 18 44 GZ 64 55 45 29 43 GS-10-2023 18:00 Sweeing NML 16 GNAN 9770 She80919 6.1 18:0 0 173 46 58 59 50 30 32 28 30 GS-10-2023 19:00 Sweeing NML 16 GNAN 9770 She80919 72 1 188 0 16:2 48 41 44 43 58 52 22 22	RTN - 2 min excluded	1-12 -1 -3 2 10 13 77 15 19 20 17 19 19 22 24 28 29 29 20 27 28 22 28 27 27 13 12 7 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Microphone contact - 5 min excluded	6 3 2 8 15 20 24 25 28 26 28 26 28 25 33 33 34 34 35 38 44 66 39 39 39 30 35 34 38 38 39 19 19 19 19 19 20 22 19 17 18 17 27 18 20 15 15 14 19 19 20 20 20 20 20 20 20 20 20 20 20 20 20
05-10-2023 19-30 Sweeping NML 16 SUNN 977D SN-98019 6.8 188 0 15.9 51 42 43 36 34 27 33 05-10-2023 19-10 Sweeping NML 16 SUNN 977D SN-98019 8.3 180 0 15.5 52 53 52 44 83 32 24 36 05-10-2023 2000 Sweeping NML 16 SUNN 977D SN-98019 6.8 186 0 15.5 52 53 52 44 33 22 23 26 05-10-2023 2000 Sweeping NML 16 SUNN 977D SN-98019 6.8 186 0 15.1 53 44 45 33 29 22 23 26 05-10-2023 2000 Sweeping NML 16 SUNN 977D SN-98019 6.8 186 0 15.5 52 53 52 44 33 29 22 23 26 05-10-2023 2000 Sweeping NML 16 SUNN 977D SN-98019 6.8 186 0 15.5 52 53 52 43 32 22 23 26 05-10-2023 2000 Sweeping NML 16 SUNN 977D SN-98019 6.8 186 0 15.5 52 52 53 52 44 33 29 22 23 26 05-10-2023 2000 Sweeping NML 16 SUNN 977D SN-98019 6.8 186 0 15.5 52 52 53 52 44 33 29 24 30 24 25 25 25 25 25 25 25 25 25 25 25 25 25	Aircraft - 2 min excluded	-0 -4 -4 -1 -4 -9 -7 -9 -8 -9 -13 -15 -18 -19 -19 -22 -22 -19 -17 -18 -17 -7 -18 -22 -16 -15 -14 -19 -5 -2 -14 -4 -4 -1 -1 -8 -18 -19 -13 -12 -12 -12 -12 -13 -18 -12 -12 -13 -18 -12 -13 -18 -12 -18 -18 -18 -18 -18 -18 -18 -18 -18 -18
05-10-2023 20:15 Evening NML16 SVAN 977D SN:99019 4.7 196 0 14.6 55 61 63 50 31 22 37	RTN - 2 min excluded Distant machinery noise just audible at times, noise levels swifting	-11 -7 0 10 9 9 11 15 13 13 15 15 16 20 23 25 26 27 27 27 25 24 21 20 16 15 10 15 15 20 2
05-10-2023 20:30 Evering NML16 SVAN 977D SN:99019 43 201 0 142 56 67 68 51 31 21 41	with light wind, overall level around 21-23 dBA. Sounds like tractor or grader. RTN - 1 min excluded	
05-10-2022 20:26 Evering MA. 15 5UN 9770 EN00019 4.3 201 0 142 56 67 68 51 31 21 41 05-10-2022 20:66 Evering MA. 16 5UN 9770 EN00019 4.3 50 183 0 13.9 57 40 48 30 28 20 27 05-10-2022 20:06 Evering MA. 16 5UN 9770 EN00019 3.6 186 0 13.9 57 40 44 35 32 20 20 27		1.55
05-10-2023 21:05 Evening MML 16 SUAN 9770 SN-90019 4.7 187 0 13.5 57 68 67 56 40 18 43 05-10-2023 21:05 Evening MML 16 SUAN 9770 SN-90019 4.7 102 0 13.3 58 39 42 32 27 19 24	RTN - 3 min excluded	-11 46 4 2 17 26 24 21 21 21 22 22 24 30 22 33 32 32 20 28 22 24 22 19 12 11 75 41 17 18 12 11 19 18 18 18 18 18 18 18 18 18 18 18 18 18
05-10-2023 21-65 Sweinig NML 66 5UNN 9770 5N:90019 5.8 164 0 13.3 56 66 67 48 26 19 36 05-10-2023 22:05 Sweinig NML 66 5UNN 9770 5N:90019 7:9 187 0 13.2 55 55 57 33 26 77 26 05-10-2023 22:05 Sweitig NML 67 5UNN 9770 5N:90019 5.4 180 0 13.2 54 47 51 29 22 15 22 11	RTN - 1 min excluded	-45 -46 -4 1 5 9 14 14 17 15 16 17 21 24 28 28 31 33 33 31 28 22 22 20 19 17 15 13 11 7 4 2 -46 -12 -12 -13 -15 3 1 1 5 -1 -1 1 1 2 7 7 11 14 15 21 20 13 15 15 15 16 18 8 17 6 4 2 -46 -12 -12 -12 -2 -2 -1 3 1 5 1 1 -1 5 -1 5 1 1 -1 5 1 1 1 1 2 7 7 7 11 14 15 21 20 13 15 15 15 15 15 15 15 16 17 6 4 2
	7 CIX, 550 dBA 8 CIX, 550 dBA	1 -6 -12 -12 -0 -1 -0 -1 -0 -2 -1 -4 -5 -6 -6 -7 -8 -9 -8 -8 -9 -11 -9 -11 -11 -10 -9 -8 -6 -4 -2
05-10-2023 22-45 hight NAML16 SURN 977D SN:99019 4.7 190 0 12.6 55 49 50 38 28 19 28 05-10-2023 23:00 hight NAML16 SURN 977D SN:99019 5.4 192 0 12.3 56 47 52 40 34 22 30	5 Dk, 550 dBA G Dk, 550 dBA	155 -160 -1 -3 0 4 6 7 5 7 18 18 100 100 17 1 14 10 10 10 17 15 15 15 15 15 15 15 15 15 15 15 15 15
	1 Dk, 550 dBA 2 Dk, 550 dBA Arcraft - 2 min excluded 2 Dk 550 dBA Arcraft - 2 min excluded	. 16 -11 -11 -11 -13 -2 -2 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
06-10-2023 0:00 Natts NML16 SVAN 977D SN:99019 3.6 153 0 11.5 56 55 55 44 24 17 32	Check, above 50 dBA Animal LAmax	-15 -11 -10 -0 -1 -1 -10 -0 -1 -1 -10 -10 -
06-10-2023-015 Night NML 16 SVAN 977D SN-90019 6.1 174 0 11.5 56 45 47 30 23 16 22 06-10-2023-030 Night NML 16 SVAN 977D SN-90019 6.5 167 0 11.1 59 57 58 44 30 19 33	8 Dk, 550 dBA 6 Check, above 50 dBA RTN LATEX	1.56 -11 -12 -15 -16 -1 -1 -12 -15 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1
05-10-2023 0-65 Night NML 15 SUAN 97710 SN-99019 4.7 155 0 10.8 59 48 52 36 28 19 25 05-10-2023 1-90 Night NML 15 SUAN 97710 SN-99019 4.7 155 0 10.8 59 48 52 36 28 19 25 05-10-2023 1-90 Night NML 15 SUAN 97710 SN-99019 27 111 0 10.4 51 44 47 35 27 15 25	2 Dk, 550 dBA 2 Dk, 550 dBA	1.52 - 43 - 43 - 44 - 47 - 47 - 47 - 47 - 47
06-10-2023 1:15 Nogh NML 16 SVAN 9770 SN:99019 1.4 134 0 10.1 63 46 49 37 27 17 25 06-10-2023 1:30 Nogh NML 16 SVAN 9770 SN:99019 1.1 193 0 9.8 64 48 50 33 28 16 24	5 Ok, 550 dBA C) Ok, 550 dBA	
06-10-2023 1-65 [agks] MAIL-16 (SWA 97770 Sk-92019) 1.41 24 0 9.3 67 46 51 26 22 17 21 06-10-2023 2-00 [agks] MAIL-16 (SWA 97770 Sk-92019) 2.2 82 0 9.3 67 46 51 26 22 17 24 06-10-2023 2-15 [agks] MAIL-16 (SWA 97770 Sk-92019) 2.5 107 0 9.2 66 41 44 26 21 15 20	å Dx, 550 dBA 30 Dx, 550 dBA 8 (Dx, 550 dBA	
661-0-2023-21:19 Night NAIL 16 SUAN 9770 SN26019 2.5 107 0 9.2 68 41 44 26 21 16 20 06-10-2023-22-0 Night NAIL 16 SUAN 9770 SN26019 2.9 114 0 8.7 70 44 48 24 21 17 20 06-10-2023-24-0 Night NAIL 16 SUAN 9770 SN26019 2.2 122 0 8.8 70 42 43 37 32 17 27	8 Dk, 550 dBA 7 Dk, 550 dBA	-77 -71 -72 -73 -74 -74 -74 -74 -74 -74 -74 -74 -74 -74
06-10-2023 3:00 Night NML16 SVAN 977D SN:99019 2.5 254 0 7.8 77 38 39 35 22 17 23	7 Dx, 550 dBA 17 Dx, 550 dBA	46 49 42 4 4 4 3 5 5 3 4 6 10 11 14 16 13 11 9 8 7 8 8 8 8 7 5 4 2
06-10-2023-3-15 [agh] MAIL-16 (SWA 9770 58-92019) 3.2 215 0 73 79 47 50 27 22 16 22 06-10-2023-3-20 [agh] MAIL-16 (SWA 9770 58-92019) 1.1 75 0 76 77 37 42 26 22 19 21 06-10-2023-3-05 [agh] MAIL-16 (SWA 9770 58-92019) 2.2 63 0 7.7 75 41 45 25 22 19 21	6 Ok, 550 dBA 0 Ok, 550 dBA	
U6-10-ASS 3 HS PROPER NWL 10 SVAN 977D SN:99019 2.2 63 0 7.7 75 41 45 25 22 19 21	DI UK, SOU GDA	[-15] -11] -1] 14] 14] 14] 14] 14] 15] 14] 14] 14] 17] 15] 7] 15] 15] 15] 15] 15] 15] 15] 15] 15] 15

End Time Time Location Logger Mine Weather Data	Raw 15-minute Statis	stical Data Logsum LAeq15	Smin total Limiax Requiress Further	Raw LAes (Inin 10 Spectrum
Period Wind Speed Wind (kmfr) Cirecti	Rainfall Temp Humidity LAmax LAlmax L/ n (mm) (oC) (%)	A1 LA10 LA90 LAsq LAsq 5530 Hz (Incl +2.3 dB	Review	2014: 2014: 31.54: 4014: 0014:
		correction)	Comments (formant)schapethy sources)	
06-10-2023 4:00 NgN NML16 SVAN 977D SN:99019 1.1	82 0 7.7 76 51 56	29 23 19 23	20 Check, above 50 dBA Insect LAmax 24 Ok, 550 dBA	-16 -11 -10 9 6 1 6 4 7 6 5 5 5 8 7 4 11 12 12 12 10 9 8 8 8 8 7 8 15
06-10-2023 4:15 Nght NML16 SVAN 977D SN:99019 1.8 06-10-2023 4:30 Nght NML16 SVAN 977D SN:99019 2.2	78 0 7.2 79 41 42 56 0 7.4 77 50 54	33 27 18 24 36 26 19 30 61 45 22 47	21 Check, above 50 dBA Bird LAmax	152 11 11 11 11 11 11 11 11 11 11 11 11 11
06-10-2023 5:00 Night NML16 SVAN 977D SN:99019 4.0	45 0 6.7 51 67 70 36 0 6.9 50 70 73	66 62 31 57	25 Check, above 50 dSA Bird LAmax 25 Check, above 50 dSA Bird LAmax	. 1-44 . 1-6948567777777
05-10-2023 5:15 Night NML16 SVAN 977D SN-99019 4.0	12 0 6.9 81 72 75 38 0 7.5 79 73 76	53 54 45 59 55 56 36 51	21 Check, above 50 dBA Aircraft LAmax - 5 min excluded 22 Check above 50 dBA RTN, Bird LAmax - Exclude	15 10 0 4 1 12 17 8 11 15 23 25 25 25 26 24 27 34 42 41 45 45 50 47 51 54 53 25 15 15 15 0 4 4 4 47 43 43 45 47 43 47 47 47 47 47 47 47 47 47 47 47 47 47
06-10-2023 5:30 Night NML16 SVAN 977D SN:96019 5:4 06-10-2023 5:45 Night NML16 SVAN 977D SN:96019 3:2 06-10-2023 6:00 Night NML16 SVAN 977D SN:96019 2:2	32 0 7.4 80 65 68 5 0 7.2 81 72 74	56 49 33 46 63 53 35 51	37 Check, above 50 dBA RTN, Bird LAmax - Exclude 28 Check, above 50 dBA Bird LAmax	155 - 168 - 9 - 6 - 1 - 1 - 3 - 7 - 6 - 8 - 8 - 7 - 11 - 16 - 10 - 22 - 22 - 22 - 23 - 23 - 24 - 23 - 23
06-10-2023 6:15 Might NML16 SVAN 977D SN:99019 2.5	56 0 7.6 81 72 74	53 53 34 51	20 Check, above 50 dBA Bird Livenx 20 Check, above 50 dBA RTN LAreax - 1 min excluded 20 Check, above 50 dBA RTN, Bird LAreax - 1 min excluded 30 Check, above 50 dBA Bird Lareax - 1 min excluded 31 Check, above 50 dBA RTN, Elevation & Bird Lareax - 1 min excluded 31 Check above 50 dBA RTN, Liventock & Bert Lareax - Endude	1-14 1-1 1-1 1-1 1-1 1-1 1-1 1-1 1-1 1-1
06-10-2023 6:15 Night NML16 SVAN 977D SN:95019 2.5 06-10-2023 6:30 Night NML16 SVAN 977D SN:95019 0.7 06-10-2023 6:45 Night NML16 SVAN 977D SN:95019 0.7	58 0 8.8 78 68 71 81 0 10.6 69 68 70	60 48 33 47 60 51 35 49		-1-31 -49 -41 1 51 11 101 11 150 117 121 131 151 177 22 251 271 265 232 233 264 41 42 3 38 365 355 28 165 71 151 151 151 151 151 151 151 151 151
06-10-2023 7:00 Night NML16 SVAN 977D SN:99019 2.9	42 0 10.9 71 72 74 30 0 11.8 65 69 72	64 54 35 52 62 49 31 49	34 Check, above 50 dBA RTN, Livestock Bird LAmax, Exclude 28 RTN - 1 min excluded	-12 -4 -3 12 8 11 12 11 13 12 14 20 19 24 26 27 30 34 38 41 42 46 48 41 43 40 35 23 13 14 12 4 3 14 12 4 13 14 12 14 13 14 14 14 14 14 14 14 14 14 14 14 14 14
06-10-2023 7:30 Day NML16 SVAN 977D SN:99019 4.7	95 0 12.7 50 72 75 53 0 13.5 58 67 70	66 58 32 54 61 53 32 49	35	-13 -4 -4 7 -4 6 8 9 19 11 9 13 14 16 17 32 31 26 32 42 47 49 46 43 44 39 32 21 13
06-10-2023 7-45 Day NML16 SVAN 977D SN:98019 4.0 96-10-2023 8:00 Day NML16 SVAN 977D SN:98019 3.6 3	72 0 14.8 52 67 69	62 54 31 51	RTN - 2 min excluded	-12 -7 -1 17 7 11 15 15 15 16 17 17 19 21 22 22 26 27 30 31 34 34 43 44 44 43 38 39 34 27 16 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
06-10-2023 8:15 Day NML16 SVAN 97TD SN:99019 6:1 06-10-2023 8:30 Day NML16 SVAN 97TD SN:99019 4:0 06-10-2023 8:45 Day NML16 SVAN 97TD SN:99019 4:0	58 0 15.3 47 71 75 60 0 16.4 45 67 70	62 50 32 49 63 58 37 53	28	-13] -7] -2] 0 4 8 10 14 11 11 12 13 14 20 23 21 24 27 28 34 39 44 44 38 40 39 30 31 18 10 -13] -7] -5 -2 3 5 9 5 3 5 7 9 17 22 17 20 22 30 34 45 48 44 44 44 45 38 38 20 11
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	65 0 21.3 46 65 68 96 0 21.6 45 75 79 91 0 21.9 44 67 69	61 55 33 50 63 51 35 51 59 49 33 47	29 31 RTN, Aircraft - 4 min excluded	
05-10-2023 11:00 Day NML16 SVAN 977D SN:99019 5.4	59 0 22.1 44 70 73 67 0 23.3 40 72 75	60 48 36 48 62 50 29 49	29	7 2 4 2 4 5 7 10 11 12 13 15 15 16 17 17 18 17 18 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18
06-10-2023 11:30 Day NML16 SVAN 977D SN:99019 7.9	60 0 23 41 69 71	60 49 27 47	32 RTN - 2 min excluded	7 4 3 4 10 7 10 11 C 10 15 15 15 16 10 22 27 22 22 23 23 24 4 4 4 23 24 23 23 23 24 1 4 4 4 4 23 24 23 23 23 24 1 4 4 4 4 24 24 24 24 24 24 24 24 24 24 2
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06-10-2023 12:15 Day NAL16 SVAN 977D SN:99019 4.7 06-10-2023 12:30 Day NAL16 SVAN 977D SN:99019 4.3	61 0 22.8 42 62 65 36 0 22.5 42 72 74	57 43 28 43 62 50 35 49	31	12 7 0 4 2 8 11 18 5 13 15 15 15 18 22 25 29 29 25 25 27 31 35 35 33 31 35 33 17 7 1 1 0 2 3 5 5 7 9 21 5 14 17 18 19 21 22 22 29 29 20 27 27 31 35 35 35 37 31 35 44 42 22 13
06-10-2023 12-45 Day NML16 SVAN 977D SN:99019 4.0 06-10-2023 13:00 Day NML16 SVAN 977D SN:99019 6.8	35 0 245 38 66 68 36 0 248 37 70 73	60 52 38 49 62 50 35 50	35	6 4 3 1 1 9 8 16 15 15 17 19 20 21 24 22 25 9 28 6 9 9 13 15 18 22 23 23 24 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25
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05-10-2023 15-05 Day NML16 SUAN 977D SN-99019 8.3 : 05-10-2023 15:05 Day NML16 SUAN 977D SN-99019 6.8 05-10-2023 15:15 Day NML16 SUAN 977D SN-99019 7.6 :	04 0 255 31 71 75	61 49 30 48	31 27	-7 -5 -3 -1 -6 -5 -8 -12 -12 -13 -15 -16 -18 -20 -23 -25 -27 -28 -28 -29 -24 -42 -45 -29 -26 -35 -28 -17 -10
	36 0 25.9 30 67 70 55 0 25.6 29 71 75	54 47 32 44 59 45 33 46	3	-11 -4 -5 -4 -0 13 14 14 11 17 15 12 13 15 15 16 17 19 27 24 23 24 23 24 23 27 24 23 27 24 23 27 24 27 27 27 27 27 27 27 27 27 27 27 27 27
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66-10-2023 22-30 Naght NAIL16 SVAN 977D SN-96919 9.0 66-10-2023 22-45 Naght NAIL16 SVAN 977D SN-96919 9.0 66-10-2023 23:00 Naght NAIL16 SVAN 977D SN-96919 8.6	82 0 15.5 79 41 43 81 0 15.5 79 50 52 70 0 15.4 79 53 56	38 35 30 32 41 34 28 32 47 36 26 35	28 Ok, 550 dBA 28 Ok, 550 dBA Bird LAreax Bird LAreax	4 4 4 4 1 3 3 4 6 6 7 8 8 8 10 12 14 17 18 20 22 12 22 22 22 22 22 22 22 22 22 22 22
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07-10-2023-3:15 NgM NML16 SURN 977D SN-90019 5.4 07-10-2023-3:30 NgM NML16 SURN 977D SN-90019 5.8 07-10-2023-3-36 NgM NML16 SURN 977D SN-90019 5.8 07-10-2023-4:00 NgM NML16 SURN 977D SN-90019 5.4	95 0 13.1 76 38 39 90 0 13.1 72 42 42	34 30 25 28 39 32 25 30	25 Ok, 550 dBA 26 Ok, 550 dBA	-10 d -7 -3 1 4 6 5 7 9 10 13 14 16 17 17 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19
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	85 0 11.5 78 70 72	60 51 36 49	21 Check, above 50 dBA Bird LAmax	-14 -11 -6 -5 3 2 5 5 7 7 7 7 10 12 21 24 25 30 31 33 38 42 44 38 39 38 32 21 8
07-10-2023 5:45 Might NML16 SVAN 977D SN:96019 3.6 07-10-2023 6:00 Might NML16 SVAN 977D SN:99019 4.7	82 0 11.8 78 68 70 85 0 12.3 78 66 68	61 53 37 50 60 52 35 49	23 Check, above 50 dBA RTN, Bird LAmex - 3 min excluded 23 Check, above 50 dBA Bird LAmex	12 7 4 1 1 10 17 13 20 25 12 25 25 25 25 25 26 27 25 26 27 27 26 27 27 27 27 27 27 27 27 27 27 27 27 27
07-10-2023 6:15 Naght NML16 SVAN 977D SN:99019 5.4 07-10-2023 6:30 Naght NML16 SVAN 977D SN:99019 4.3	92 0 13.1 76 70 72 97 0 13.8 75 76 79	55 49 34 46 61 50 35 50	23 Check, above 50 dBA Bird LAmax	-16 9 7 3 8 2 7 6 4 7 8 10 13 14 16 12 24 22 31 34 4 8 27 17 15 13 13 19 7 11 11 4 4 4 2 3 3 2 5 6 5 8 10 12 14 16 19 22 23 23 23 23 34 4 4 4 4 4 6 3 22 21
07-10-2023 6:45 Night NML16 SVAN 977D SN:99019 6.8 07-10-2023 7:00 Night NML16 SVAN 977D SN:99019 9.7	97 0 13.8 75 76 79 93 0 14.9 72 77 80 06 0 15.7 70 85 88	61 50 35 50 63 53 37 52 60 58 42 58	33 Check, above 50 d5A Strd LAraxx 33 Check, above 50 d5A Wind - Exclude 40 Check, above 50 d5A Wind - Exclude	11 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
07-10-2023 7:15 Day NML16 SVAN 977D SN:99019 12:2	07 0 16.3 68 69 71	61 55 45 52	45 Wind - Exclude	15 17 18 19 19 20 20 20 23 29 29 29 32 33 35 36 37 37 38 40 40 44 43 42 45 43 38 30 21
07-10-2023 7:30 Day NML16 SVAN 977D SN:99019 11.9 07-10-2023 7:45 Day NML16 SVAN 977D SN:99019 14.0	05 0 16.9 65 71 74 07 0 17.2 64 69 70	51 54 45 52 59 53 44 50	46 Wind - Exclude 46 Wind - Exclude	17
07-10-2023 8:00 Day NML15 SVAN 977D SN:99019 12.2 07-10-2023 8:15 Day NML16 SVAN 977D SN:99019 14.0	08 0 17.8 61 65 68 17 0 18 61 67 70	57 52 41 48 56 51 43 48	41 Wind - Exclude 41 Wind - Exclude	9 11 11 13 21 17 16 22 27 25 26 27 30 32 34 36 35 37 37 38 39 41 38 37 35 27 16 11 11 13 14 14 15 16 17 17 19 20 27 25 26 27 30 30 30 31 35 50 35 35 30 30 40 37 35 32 27 16 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28
07-10-2023 8-30 Day NML16 SVAN 977D SN-99019 13.3 07-10-2023 8-45 Day NML16 SVAN 977D SN-99019 13.0	13 0 18.4 59 67 70 01 0 18.7 58 66 69	56 51 42 49 58 52 43 50	42 Wind - Exclude 43 Wind - Exclude	11 15 14 14 15 15 15 17 17 19 22 25 26 28 28 28 28 28 28 28 28 28 28 28 28 28
07-10-2023 9:00 Day NML16 SUAN 977D SN-90019 13.0 07-10-2023 9:15 Day NML16 SUAN 977D SN-90019 14.0	06 0 192 56 69 71 11 0 195 55 63 65 12 0 195 54 68 71	58 52 44 50	43 Wind - Exclude	13 15 16 16 16 17 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18
	11 0 195 55 63 65 12 0 195 54 68 71	50 50 40 47	42 Wind - Exclude	12 14 15 15 17 16 17 17 18 12 17 12 18 17 17 18 18 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18
07-10-2023 9:45 Day NML16 SVAN 977D SN:99019 14.6 07-10-2023 10:00 Day NML16 SVAN 977D SN:99019 14.0	07 0 19.8 53 64 68 06 0 20 52 62 65	59 53 45 51 57 52 42 49	42 Wind - Exclude 42 Wind - Exclude	14 15 16 17 17 17 18 15 17 17 22 22 23 24 29 29 29 21 23 35 35 35 35 35 35 36 45 36 45 42 39 36 42 30 36 31 29 20 15 15 16 16 16 17 17 17 20 21 22 27 30 31 32 36 31 32 20 15 15 16 16 16 17 17 17 20 21 22 27 30 31 32 36 31 32 36 36 36 30 30 30 30 31 31 30 30 30 31 30 30 30 30 30 30 30 30 30 30 30 30 30
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Column	End Time Time	Location	Logger M	ne Weather Data		Raw 15-mins	ute Statistic	cal Data		Logsum LAeq15min to	ta Lmax Requires Further		Raw LAsq tSmin	1.0 Spedrum														\Rightarrow
Column	Period		(8	ind Speed Wind Rainta m'hr) Direction (mm)	(oC) (%)	LAmex LA	Umax LA1	LAIO	LAGO LAng	LAsq SS30 Hz (Incl +2.3 dB	Review		20Hz 25Hz	31.5Hz 40	Hz 50Hz	63Hz 80	Hz 100Hz	125Hz 160Hz	200Hz 250Hz 3	5Hz 400Hz 5008	tz 630Hz 800Hz	1kHz 11.25kHz 11.	SkHz 2kHz	2.5kHz 3.15	ertz Hidriz	SkHz 6.3kHz 8a	Hz 10kHz 12.5kF	tz tökhz
Column										correction)	3	Comments (dominantholeworthy sources).																
Column	07-10-2023 10:15 Day	NAVE 16	SVAN 977D SN:99019			51 67	70	58 51	42	49 .	11	Wind - Exclude	10 1	1 12	12 1	5 15	17 15	21 Z	25 26	29 31	32 34 3	36 37	40 4	90 35	37 40	37 36	33 25 7	17 10
Column	07-10-2023 10:45 Day	NAVE 16	SVAN 977D SN:99019			50 67			42	49	ii .	Wind - Exclude	11 1	3 14	14 1	5 17	17 12			30 31				27 25	37 40	40 39		15 10
Column	07-10-2023 11:00 Day 07-10-2023 11:15 Day	NML16	SVAN 977D SN:99019 SVAN 977D SN:99019	11.5 89		18 65	79	59 52	41	48 -	4	Wind - Exclude Wind - Exclude	12 1	14 14	23 2	16 16	29 22	21 2	26 27	31 33		7 37 36	35 3	25 36	36 39	37 37 42 40	37 27	22 12
Column C	07-10-2023 11:30 Day	NAUL 16	SVAN 977D SN:99019	11.9 106	0 21 4	19 69	71	61 51	42	49	15	Wind - Exclude	11 1	3 15	15 2	11 31	36 22	24 2	27 29	32 34	35 37 3	38 38	35 2	37 38	38 39	39 37	35 26	15 10
Column C	07-10-2023 11:45 Day 07-10-2023 12:00 Day	NAVE 16	SVAN 977D SN:99019 SVAN 977D SN:99019	10.1 96	0 21.1 4	19 72 17 73	75	62 53 63 53	39	51	10	Wind	9 1	1 12	12 1	9 10	12 12	15 11 18 Z	20 21 24 25	28 29	28 29 3 31 32 3	30 32	35 4	90 46 33 46	43 43	44 40 45 42	35 24 35 25	17 10
Column	07-10-2023 12:15 Day	NAL16	SVAN 977D SN:99019	13.0 85	0 21.3 4	15 65	69	53 49	39	46	10	Wind Wind BTN - 1 min excluded	9 1	1 12	13 1	13 14	15 15	15 Z	24 25	25 29	31 32 3	33 33	35 3	25 27	36 36	36 34	31 25	17 10
Column	07-10-2023 12:45 Owy	NAVE 16	SVAN 977D SN:99019			51 63			41	47	ris .		9 1	0 11	12 1	4 14	15 17		24 24	28 29	31 32 3	34 33	33 3			40 39	35 25	16 2
Column	07-10-2023 13:00 Day	NAME 15	SVAN 977D SN:99019 SVAN 977D SN:99019	11.5 88	0 213 4	10 74	75	54 45	38	53		Aircraft, Wind - 3 min excluded RTN. Wind - 3 min excluded	11 2	7 8	15 1	15 31	23 34	34 3	35 37	39 40	42 43 4	4 44 42	41 2	22 35	37 39	36 35	32 23 1	15 8
Column C	07-10-2023 13:30 Day	NAVE 16	SVAN 977D SN:99019			17 60	62	53 47	38	45	9		7	9 11	11 1	1 13	13 14	16 11	22 23	26 27	29 30 3	31 31	35 2	33 34	35 35	34 35	34 24	15 8
Column	07-10-2023 14:00 Day	NML16	SVAN 977D SN:99019	11.5 87	0 22.7 4	6 61 14 65	69	53 46	37	43	7	RTN - 2 min excused	6	7 7	8 1	10 11	13 15	17 2	23 24	25 27	26 29 3	32 30	30 2	11 35	34 32	32 34	32 23	14 7
Column	07-10-2023 14:15 Day	NAVE 16	SVAN 977D SN:99019			14 70			37	49		RTN, Aircraft - 2 min excluded	4 1	8 21	10 2	25	24 24	23 2							37 35		33 20	11 5
Column	07-10-2023 14:45 Day	NAVE 16	SVAN 977D SN:99019	11.9 85	0 22.8 4	12 63	64	55 48	39	46		RTN, Wind - 2 min excluded	8 1	0 10	11 1	3 18	22 15	19 2	24 24	27 28	30 32 3	3 33 33	35 3	33 35	35 35	37 34	30 22	15 8
State Stat	07-10-2023 15:00 Day 07-10-2023 15:15 Day	NML16	SVAN 977D SN:99019 SVAN 977D SN:99019	12.6 84		12 67	67	56 47	36	45 47	8	RTN - 2 min excluded RTN - 2 min excluded	6	7 9	21 1	7 30	35 25	19 2 23 Z	21 22	24 27 30 32	29 32 3 33 34 3	34 34	34 2	54 32 25 36	35 36	37 36	32 21	14 7
State Stat	07-10-2023 15:30 Day	NAVE 16	SVAN 977D SN:99019	10.4 81	0 22.5 4	14 62	63	54 48	36	45	5		- 1	2 2	3	7 9	11 14	15 1	19 19	22 24	25 29 3	32 31	33 2	12 33	34 35	34 35	33 21	9 4
Column C	07-10-2023 16:00 Day	NML16	SVAN 977D SN:99019	10.8 79	0 225 4	12 76	79	56 50	38	48	7	Wind - 4 min excluded	10 1	1 12	12 1	3 16	17 17										35 26	17 9
Column C	07-10-2023 16:15 Day	NML16	SVAN 977D SN:99019 SVAN 977D SN-99019	11.5 85	0 22.1 4	15 65 17 71	67 73	55 49	35	47	*	Wind	10 1	3 5	13 1	8 12	14 17	17 1	20 21	23 25	27 30 3	35 34	32 3	36 36 17 37	35 37	41 37	32 21	10 4
Column	07-10-2023 16:45 Day	NAVE 16	SVAN 977D SN:99019	12.2 55	0 21.7 4	17 72	74	55 45	38	46	X.		- 6	7 8	9 1	10 11	11 12	15 11	20 21	25 26	27 29 3	30 30	33 3	12 35	35 35	39 41	36 27	15 7
Column	07-10-2023 17:00 Day 07-10-2023 17:15 Day	NML16	SVAN 977D SN:99019 SVAN 977D SN:99019	9.7 87		19 65 50 65	65	57 48	42	40	3	RTN - 1 min excluded Wind - Exclude	12 1	4 16	16 1	7 21	18 20	20 3	35 28 27 28	34 38	31 31 3 35 37 3	30 31		33 35 36 37	35 34	37 38 34 35	35 22	18 10
Column C	07-10-2023 17:30 Day	NAVE 16	SVAN 977D SN:99019	13.3 88	0 19.7	57 66	68	56 49	40	46	10	Wind - Exclude	6	5 9	10 1	12 12	15 17	15 2	23 24	28 29				37 37	35 36	34 34	34 27	15 7
Column C	07-10-2023 18:00 Day	NML16	SVAN 977D SN:99019	13.7 77	0 18.1 6	25 71	74	59 49	37	47	6	RTN, Wind - 2 min excluded	4	7 9	15 2	30	22 20	22 2	23 24	28 30	32 34 3	36 37	40 3	20 36	34 33	32 33	33 21	11 4
Column C	07-10-2023 18:15 Evening 07-10-2023 18:30 Evening	NML16	SVAN 977D SN:99019 SVAN 977D SN:99019	15.1 80 15.4 77	0 17.1 2	55 62 TO 60	54	52 49 48 44	39	45		Wind - Esclude Wind Exceedance - Esclude	8 1	2 1	13 1	28	24 18	19 2	23 25	26 26	32 32 3 26 29 %	34 35	37 2	37 36 30 29	34 33 25 31	31 30 27 26	29 22 1	10 4
Column C	07-10-2023 18:45 Evening	NAL16	SVAN 977D SN:99019	15.1 75	0 16.5 2	rs 69	70	60 45	35	47	13	RTN, wind - 5 min excluded	-3	2 10	21 1	9 32	35 25	25 2	27 28	32 33	35 35 3	7 38 37	36 3	25 36	35 34	30 27	26 19	10 2
Column C	07-10-2023 19:15 Evening	NML16	SVAN 977D SN:99019	12.2 81	0 151 2	DS 45	49	43 39	33	37	10	Wind - Smin excluded	-3	2 -1	2	4 5	9 10	13 1	17 19	20 22	2/ 27 2 24 25 2	28 28	27 2	24 28	26 28	22 22	21 18	7
Column C	07-10-2023 19:30 Evening	NAUL 16	SVAN 977D SN-99019	11.9 80	0 15.9 7	7 68	55	54 40	33	43	2	RTN, Wind - 2 min excluded	-2	1 1	5	8 12	14 25	25 2	25 23	30 28	30 32 3	35 34	31 2	29 25	27 28	24 23	21 15	5
# Manual Control	07-10-2023 19:45 Evening	NAVE 16	SVAN 977D SN:99019	13.7 80	0 157 7	ra 44	44	39 37	33	35	200	Wind - 1 min excluded	- 5	2 -1	1	5 5	7 5	9 1	10 19	19 20	22 24 2	20 27	27 2	23 23	25 26	21 20	58 12	6
# Manual Control	07-10-2023 20:15 Evening	NAME 15	SVAN 977D SN:99019 SVAN 977D SN:99019	12.6 81	0 15.5 7	ra 50	54	43 40	34	38	4	Wind - Exclude Wind - Exclude	2	3 4	5	8 8	9 11	13 1	17 19	22 24		27 27	26 2	25 25	27 27	24 23	22 16	5
Column C	07-10-2023 20:45 Evening	NAVE 16	SVAN 977D SN:99019	11.2 77	0 152 2	rg 51	51	46 42	34	39	15	Wind - Eaclude	3	5 6	2	9 10	10 12	14 1	20 20		27 28 2	29 28	28 2	25 25	27 27	70 70	24 18	10
Column C				14.0 78	0 15.1 7	rg 52 rg 56	54	50 46 52 46	38	43	13	Wind - Exclude	9 1	1 12	13 1	D 14	14 15				31 32 3 31 32 3	33 33	32 3	12 32 12 31	31 31	30 29 30 29	28 22 1 27 21	13 0
Column C	07-10-2023 21:30 Evening	NAVE 16	SVAN 977D SN:99019	12.6 77	0 149 7	ra 61	64	46 43	35	40	16	Wind - Exclude	4	7 8	9 1	0 11	11 12	15 11	20 21	25 26	28 29 3	30 29	29 2	29 29	25 29	28 27	25 19	11 -
## Company of the Property of				13.0 74		ns 54	55	50 46	39	43	9	Wind - Exclude	8 1	1 12	12 1	3 14	15 15	18 2	23 24	27 29	31 32 3	33 33	32 2	12 32	31 31	30 29	28 21	13 5
## Company of the Property of	07-10-2023 22:15 Night	NAVE 16	SVAN 977D SN:99019	11.2 74	0 14.6 7	r8 51	52	47 43	35	40	Check, above 50 dBA	Wind LAmax - Exclude	5	7 8	5	0 10	12 12	15 11	20 21	25 27	25 29 3	30 30	30 2	29 29	25 25	27 26	25 19	11 :
A C A C	07-10-2023 22:45 Night	NAVE 16	SVAN 977D SN:99019	11.2 76	0 142 7	19 46	50	40 37	31	34	00, 350 dBA	Wind - 5 min excluded	-3	2 -1	1	4 5	6 8	9 1	14 16	19 21	22 24 2	24 23	23 2	23 23	22 22	21 20	19 13	6
A C A C	07-10-2023 23:00 Night 07-10-2023 23:15 Night	NML16	SVAN 977D SN:99019 SVAN 977D SN:99019	13.7 75		19 48	49 56	42 38	30	35	Ok, 550 dSA 2 Check, above 50 dBA	Wind - 4 min excluded Wind LAmax	-2 -	1 0	1	4 5	6 5	10 1-		20 21	23 24 2 24 25 2	25 24	24 2			22 21	19 14	7 3
A C A C	07-10-2023 23:30 Night	NAVE 16	SVAN 977D SN:99019	11.2 80	0 13.7 8	50 47	49	43 32	32	36	13 Ok, 550 dBA	Wind	-2	0 1	2	5 6	7 10	11 12	17 18	21 23	24 25 2	25 25	25 2	8 25	24 24	23 22	21 14	7
A C A C	05-10-2023 0:00 Night	NAVE 16	SVAN 977D SN:99019	11.2 82	0 13.3 8	12 47	49	42 38	32	35	12 Dk, 550 dBA	Wind	-4	2 -1	1	4 5	6 5	11 1	16 17	20 22	23 25 2	25 24	24 2	24 24	24 23	23 22	20 14	7
A C A C	08-10-2023 0:15 Night	NML16	SVAN 977D SN:99019	9.7 79	0 13.2 8	12 45	53	42 36	30	34	Ok, S50 dBA	Wind - 1 min excluded	-3 -	2 -1	2	4 5	6 8	10 10	14 16	19 20	22 23 2	24 23	23 2	23 23	23 22	21 20	19 13	7 :
A C A C	08-10-2023 0:45 Night	NAVE 16	SVAN 977D SN:99019			53 46	47	42 36	30	34	Ok, \$50 dBA		-2	1 0	2	4 5	5 5	10 1	15 16	19 20	22 23 2	24 23	22 2	22 22	22 21	21 20	18 13	6
A C A C	06-10-2023 1:00 Night 06-10-2023 1:15 Night	NAVE 16	SVAN 977D SN:99019 SVAN 977D SN:99019			53 52 54 50	55	43 35	31	35 36		Wind LAmax - 5 min excluded Wind	-2	1 0	3	6 5	7 10	11 1-				25 24	24 2	35 25			20 14	7 2
A C A C	05-10-2023 1:30 Night	NAVE 16	SVAN 977D SN:99019	7.9 77	0 12.5 8	14 45	49	45 39	31	37	13 Ok, \$50 dBA	Wind	2	3 5	5	7 8	9 10	12 15	17 15	22 23	25 26 2	26 26	25 2	8 25	25 24	23 23	21 15	8 :
A C A C	08-10-2023 2:00 Night	NML16	SVAN 977D SN:99019	65 88	0 12.6 8	54 52 54 52	55	37 35	29	22	Check, above 50 dBA		-7	5 3	0	3 4	4 2	8 1	13 14	18 19	23 24 2 21 22 2	22 21	21 2	22 22	22 21	20 19	17 11	5 :
Column C				47 95	0 12.2 8	55 50 17 45	53	39 36	29	33	10 Ok, 550 dBA		-4	3 -2	-1	3 4	5 8	10 10 8 1	14 15	18 20	21 22 Z 20 21 2	23 22	22 2	22 23	22 21	20 19	18 12 66 11	5
Column C	08-10-2023 2:45 Night	NML16	SVAN 977D SN:99019	5.4 90	0 12.1 8	57 45	51	39 35		23	0 Ok, 550 dBA		-7 -	6 4	-1	2 4	8 7	10 10	13 15	15 19	21 22 2	3 22 21	21 2	22 22	22 21	20 19	17 11	5 3
Column C	08-10-2023 3:00 Night 08-10-2023 3:15 Night	NML16	SVAN 977D SN:99019 SVAN 977D SN:99019	50 79 43 71	0 12.1 E	57 47 57 45	45	40 35	30 29	22	IO Dk, 550 dBA IO Dk, 550 dBA		4	2 0	-1	5 5	9 8	10 1	13 14	18 20	22 23 2	23 22	21 2	21 22 22	22 21	20 19	17 11	5 5
Column C	08-10-2023 3:30 Night	NML16	SVAN 977D SN:99019	72 77	0 12.4 8	55 52	55	41 37	31	35	Check, above 50 dBA	Wind - 5 min excluded	4 -	1 1	6	9 5	11 5	12 1	15 16	19 21	23 24 2	25 24	23 2	23 24	23 22	21 20	18 12	5 :
Column C	08-10-2023 4:00 Night	NML16	SVAN 977D SN:99019	6.1 82	0 12.2 8	55 45	47	42 38	32	36	12 Ok, 550 dBA	Wind	- 3	1 2	3	5 6	7 10	11 13	16 17	21 22	24 25 2	26 25	24 2	34 25	24 23	23 22	20 14	7
Column C	06-10-2023 4:15 Night 06-10-2023 4:30 Night	NML16	SVAN 977D SN:99019 SVAN 977D SN:99019	6.1 77 6.1 81					34 28	37	14 Ok, 550 dBA 11 Ok, 550 dBA	Wind	4	2 3	4	4 4	9 10	13 19	17 19			27 27 27 25 24	24 2	23 23	23 22	24 23	19 13	6 3
Column C	05-10-2023 4:45 Night	NML16	SVAN 977D SN:99019	5.8 73	0 12 8	57 54	68	58 44	26	45	Check, above 50 dBA	Bird LAmax	-12 -1	0 -9	-5	0 0	5 5	7	8 10	13 14	17 18 1	20 22	27 2	34 37	35 40	40 23	20 10	5 3
Column C	08-10-2023 5:15 Night	NML16	SVAN 977D SN:99019	6.1 78 4.7 82	0 11.7 8	57 GG 58 79	81	65 59	42	56	7 Check, above 50 dBA	Bird LAmax	-12 -1	0 -7	-4	1 1	7 6	8	10 11	14 16	16 19 2 15 20 2	29 36	40 4			46 46	43 27	13 (
Column C	08-10-2023 5:30 Night 08-10-2023 5:45 Nie-H	NML16	SVAN 977D SN:99019 SVAN 977D SN:99019	5.4 85 5.6 76	0 11.7 8	59 79	80	72 52 67 54	37	57	Check, above 50 dBA	Bird LAmax Bird LAmax	-12	9 -7	-3	3 2 2 2	7 7 6 #	1 1	11 12 10 10	15 17	19 24 2	34 39 4 27 35	42 4 39 4	E 40	49 50	51 46 46 44	44 35 3 39 29	25 1
## 15 15 15 15 15 15 15 15	05-10-2023 5:00 Night	NML16	SVAN 977D SN:99019	4.0 99	0 12 8	57 68	70	59 51	36	48	Check, above 50 dBA	Bird LAmax	-13 -1	0 -8	-3	2 1	3 :	4 1	8 9	12 14					42 40	30 30	70 17	5
A. C. C. C. C. C. C. C.	06-10-2023 6:30 Night	NML16	SVAN 977D SN:99019	3.2 110 6.6 85	0 13.1 8	12 65	69	50 40	36	46	Check, above 50 dBA	Wind, RTN LAmax - 1 min excluded	- 3	1 2	6	9 13	14 15	21 2 17 1	20 32 19 21	24 26	29 32 3	29 33	38 3	55 35	37 35	33 33	30 16	5
## Part	06-10-2023 6:45 Night 06-10-2023 7:00 Nie-H	NML16	SVAN 977D SN:99019 SVAN 977D SN:99019	9.4 79 8.6 88	0 14.1 2	77 62 74 71	74	55 49	37	45	4 Check, above 50 dBA 7 Check, above 50 dBA	Wind - Esclude Wind - Esclude	2 4	3 4	5	9 10	10 11	16 1	18 19	23 24 27	26 27 2 29 30 3	30 37	36 3 45 4	35 36 67 41	35 34	33 33 42 37	32 20 37 26	12
6.52314 St. Will St. William S	06-10-2023 7:15 Oxy	NML16	SVAN 977D SN:99019	11.2 96	0 15.4 7	1 75	77	66 52	37	52	5	Wind, RTN - 3 min excluded	5	7 8	8 1	10 12	13 16		22 23	27 29	32 34 3	37 40	41 4	44 45	45 40	37 33	30 21	4
6.52314 St. Will St. William S	05-10-2023 7:30 Day 05-10-2023 7:45 Day	NML16	SVAN 977D SN:99019 SVAN 977D SN:99019	11.5 93 12.2 54	0 15.8 C	55 72	55 74	55 49		47	11	Wind - Exclude	9 1	1 12	13 1	13	16 17	10 2 10 Z	23 24 25 26	27 29 29 31	30 31 3 32 33 3	4 33 36 4 35 35	39 3	35 35 33 40	35 35 36 36	33 32 34 33	32 24	15
0.000000000000000000000000000000000000	08-10-2023 8:00 Day	NML16	SVAN 977D SN:99019 SVAN 977D SN:99019			54 60	62	54 50	41	47	1	RTN, Wind - Exclude Wind - 3 min excluded	11 1	4 14	15 1	16 16	17 17	21 2	25 26	29 31	23 34 3	35 36	37 2	36 37 95 37	37 36	36 35	34 25	16
0.000000000000000000000000000000000000	08-10-2023 8:30 Oxy	NML16	SVAN 977D SN:99019	13.3 85	0 17.7 6	50 55	69	59 52	44	50	4	Wind, RTN - Exclude	12 1	4 15	15			24 2	29 29	32 36	35 37 3	37 39	40 3	35 40	35 35	37 40	37 26	17 1
A-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1				11.2 82 12.6 103		55 54 55 57			41	47	11	Wind - Esclude Wind - Esclude	9 1	1 12	12 1	14 15	15 16	19 Z	24 25 25 26	29 30					41 41	39 38	39 28	16
## March Program 14 15 15 15 15 15 15 15	08-10-2023 9:15 Owy	NML16	SVAN 977D SN:99019	13.7 95		54 65	69	59 52	42	50	3	Wind - Exclude	13 1	5 16	17 1	7 18	19 20	22 2	27 28	31 32	34 35 3	37 37	41 4	2 38	35 35	39 40	36 28	15 1
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8-1-20-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	08-10-2023 11:15 Day	NML16	SVAN 977D SN:99019 SVAN 977D SN:99019	9.4 57	0 21.5 4	13 65	55 75	58 50	39	47	9	Wind	7 7	5 9	10 1	11 13	14 10	19 2	23 25	27 28 27	30 31 3	33 32	34 3	95 38 90 35	35 39	39 36	34 24 3	15
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9-12-12-12-12-12-12-12-12-12-12-12-12-12-	08-10-2023 12:30 Owy	NML16	SVAN 977D SN:99019	13.0 129	0 22.1 3	57 67	71	56 49	33	46	5		6	5 9	11 1	4 15	14 17	19 2	23 24	26 28	30 31 3	32 32	32 3	34 40	35 37	36 35	30 23 '	16
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## PART OF PAR	08-10-2023 15:00 Day	NML16	SVAN 977D SN:99019	9.4 123	0 23.4 2	52 54	66	52 47	33	43	15	Personal, n. r.n J Min espuded	5	7 7	5	8 9	12 12	15 1	19 20		26 27 2	32 33 3 28 30	34 2	34	33 33	34 34	33 22	13
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End Time Location Logger Mine Weather Dr	er Data Raw 15-minute Statistical Data Logaum LAeq15min	olis Lrnax Requires Further Review	Raw LAsc time 1.0 Spectrum 20Hz 25Hz 31.5Hz 40Hz		
Period Wind Speed Win (kmhr) Dire	Wind Rainfall Temp Humidity LAmax LAImax LA1 LA10 LA20 LAeq LAeq SS30 Hz (Incl 4-2.3 dB constraint)	Review	20Hz 25Hz 31.5Hz 40Hz	50Hz 63Hz 80Hz 100Hz 125Hz 160Hz 200Hz 250H	2 315Hz 400Hz 500Hz 630Hz 800Hz 80Hz 80Hz 1.25Hz 1.50Hz 28Hz 2.5Hz 3.15Hz 8Hz 50Hz 63Hz 88Hz 100Hz 12.5Hz 16Hz
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		37 Wind, RTN - 5 min excluded 30 RTN - 1 min excluded 31 RTN - 1 min excluded	7 10 10 1 3 5 6	1 13 14 15 15 18 21 23 7 8 9 11 12 14 17 19	24 27 30 31 32 34 34 33 33 34 36 35 32 32 32 32 22 13 6 21 24 25 28 28 30 31 32 35 41 39 37 37 36 30 27 20 11 5
06-10-2023 17-45 Day NML16 SUAN 977D SN-99019 14.0 06-10-2023 18:00 Day NML16 SUAN 977D SN-99019 14.8 06-10-2023 18:15 Evening I NML16 SUAN 977D SN-99019 13.7	60 0 15.6 50 62 63 55 49 38 46 66 0 17.8 61 63 65 55 45 36 44	27 RTN - 1 min accluded	0 2 6	7 9 12 16 16 19 20 22 5 10 15 12 17 19 17 19	23
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08-10-2023 10-45 Evening NML16 SVAN 977D SN-99019 13.7 08-10-2023 10:00 Evening NML16 SVAN 977D SN-99019 13.0 08-10-2023 10:15 Evening NML16 SVAN 977D SN-99019 16.2	70 0 16.7 68 69 70 56 45 39 46 71 0 16.2 72 53 57 47 44 38 41	37 Wind - Exclude 37 Wind - Exclude	5 7 8	8 10 10 12 12 15 17 19 7 8 10 11 12 15 18 20	11 34 34 34 37 35 37 36 34 34 32 34 31 33 28 27 25 20 12 5 21 22 27 28 28 28 31 31 31 31 30 30 31 31 32 27 26 24 18 10 4 22 25 27 28 28 30 31 32 31 33 30 30 31 31 32 27 26 24 19 11 4
08-10-2023 12:15 Evening NML16 SVAN 977D SN:99019 16:2 08-10-2023 12:30 Evening NML16 SVAN 977D SN:99019 14:4 08-10-2023 12:45 Evening NML16 SVAN 977D SN:99019 12:2	77 0 15.8 74 52 55 48 44 38 41 77 0 15.5 74 50 50 53 45 41 36 30 30 77 0 15.5 74 50 50 53 45 41 36 39 30 77 0 15.2 75 63 64 53 42 33 41	25 Wind - Exclude 27 RTN, Wind - Exclude	3 3 6 5 7 9 1	7 8 10 11 12 15 18 20 6 7 8 9 10 13 15 17 0 11 11 12 14 16 17 21	22 25 27 29 38 31 32 31 32 31 33 30 30 30 31 32 31 32 31 34 34 31 35 32 31 32 32 32 32 32 32 32 32 32 31 32 32 32 31 32 32 32 32 32 32 32 32 32 32 32 32 32
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08-10-2023 22:15 Night NML16 SVAN 977D SN:99019 13.7 08-10-2023 22:30 Night NML16 SVAN 977D SN:99019 14.0	67 0 14 81 49 53 38 34 30 32 68 0 13.9 81 42 43 38 35 30 33	22 Dk, 550 dBA 22 Dk, 550 dBA	7 4 4	3 2 2 4 7 8 9 11 2 2 3 4 7 8 10 12	13 17 19 21 22 23 23 22 21 21 21 21 21 19 18 17 18 10 5 2 14 17 19 21 22 23 23 22 21 21 21 21 21 20 19 19 17 11 5 2
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09-10-2023 0:20 Night NML16 SVAN 9770 SN:99019 9:27 09-10-2023 0:20 Night NML16 SVAN 9770 SN:99019 11:2 09-10-2023 0:30 Night NML16 SVAN 9770 SN:99019 9:27 09-10-2023 0:30 Night NML16 SVAN 9770 SN:99019 9:24	66 U 13.4 63 44 47 36 35 26 32 72 0 13.5 63 48 51 36 32 25 29 66 0 13.3 64 42 45 35 32 27 30	26 Dk, 550 dBA	-12 -10 -8 - -13 -10 -7 -	2 2 3 5 5 6 10 5 6 1 1 5 4 5 8	12 19 10 20 21 22 22 22 23 24 24 25 26 27 27 28 27 28 28 28 28 29 29 10 17 17 17 10 19 19 10 17 17 17 18 19 10 17 17 17 18 19 10 17 17 17 18 19 10 17 17 18 19 10 17 17 18 19 10 17 17 18 19 10 17 17 18 19 19 10 17 17 18 18 19 20 20 20 10 10 10 10 10 10 10 17 16 15 13 10 4 2
09-10-2023 0.30 Neght NML16 SVAN 9770 SN-99019 9.4	74 0 13.1 84 53 55 38 33 29 32 85 0 13 84 44 47 37 34 29 32	28 Check, above 50 dBA Animal LAmax 28 Ok. 550 dBA	-10 9 6	3 1 1 3 6 6 8 10	12 15 18 19 21 22 21 20 19 20 22 24 20 18 17 15 9 5 2
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	25 0 11.1 91 50 55 31 27 23 26 81 0 11.7 88 50 52 34 28 23 27	22 Ox, 550 dBA 22 Ox, 550 dBA	-12 -6 -6 - -12 -10 -7	1 3 5 9 8 8 8 7 7 3 1 4 10 9 8 7 7	8 10 12 14 14 15 15 14 15 14 15 17 15 17 15 14 15 12 15 17 15 14 15 17 15 17 17 17 17 17 17 17 17 17 17 17 17 17
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09-10-2023 5:15 Night NML16 SVAN 9770 SN:99019 2.2 09-10-2023 5:30 Night NML16 SVAN 9770 SN:99019 1.8	284 0 9.7 95 66 69 61 56 41 52 253 0 9.5 98 79 80 65 53 36 54	23 Check, above 50 dBA Bird LAmex - 1 min excluded RTN, Bird LAmex - 1 min excluded	9 5 2	2 2 5 8 6 7 8 7 2 5 9 14 13 13 14 15	18 18 20 22 25 28 36 48 49 44 44 38 37 35 31 22 10 3
09-10-2023 5-45 Neght NML16 SVAN 977D SN-99019 2.2 09-10-2023 6-00 Neght NML16 SVAN 977D SN-99019 2.5	303 0 10 97 68 70 63 54 37 51 328 0 10.1 96 72 75 64 53 37 52	2. Charlet, 1850 to 50 db. 2. Charlet, 1850 to	-10 -1 -2 -	3 11 10 13 13 16 14 15 4 9 14 15 13 14 15 14	20 20 22 23 31 33 32 38 42 44 42 43 44 42 32 25 17 10 2 2 15 19 24 22 24 27 37 39 47 45 42 42 41 39 37 31 30 18 9 3 18 9
09-10-2023 6:15 Night NML16 SUAN 977D SN-99019 1.8 09-10-2023 6:35 Night NML16 SUAN 977D SN-99019 2.9 09-10-2023 6:45 Night NML16 SUAN 977D SN-99019 5.8	272 0 10.7 93 64 67 56 49 33 46 161 0 12.1 87 71 75 64 54 35 52 66 0 14.2 79 70 73 59 51 36 49	45 Check, above 50 dBA RTN - Exclude	8 5 1 2 10 11 1	6 9 11 15 18 23 19 16 3 8 8 15 21 20 20 14 4 25 23 24 24 26 25 27	30 19 19 24 22 24 19 27 33 39 27 19 27 27 27 27 27 27 27 28 3 5 3 4 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
09-10-2023 7:00 Night NML16 SVAN 977D SN:99019 8.6 09-10-2023 7:15 Day NML16 SVAN 977D SN:99019 9.4	87 0 14.9 75 74 77 55 46 33 45 78 0 15.7 71 70 72 60 49 36 48	22 Check, above 50 dBA RTN, Bird LAmex - 2 min excluded 22 RTN, Aircraft - 5 min excluded	5 3 1	3 6 10 13 17 22 18 23 4 8 20 17 16 32 25 27	32 28 31 32 34 35 32 33 34 37 39 40 38 36 37 36 20 6 3
09-10-2023 7:30 Day NML16 SVAN 977D SN:99019 7:9	68 0 16.7 66 67 68 59 50 37 48 70 0 17.1 62 67 69 60 51 38 48	34 Wind, RTN - 3 min excluded 35 Wind, RTN - 3 min excluded	1 4 5		23 26 27 30 32 36 37 37 39 39 39 39 35 34 34 34 21 10 4
09-10-2023 8:00 Day NML16 SVAN 977D SN:99019 11.5 09-10-2023 8:15 Day NML16 SVAN 977D SN:99019 14.0	86 0 17.6 56 73 76 63 52 38 50 33 0 17.8 57 66 67 57 51 39 48	37 36 RTN - 2 min excluded	2 4 11		21 22 32 32 33 31 32 33 33 32 41 41 41 32 33 33 32 41 41 41 32 33 32 32 33 32 32 32 31 32 32 32 32 32 32 32 32 32 32 32 32 32
09-10-2023 5:30 Day NML16 SUAN 9770 SN-99019 13:3 09-10-2023 5:45 Day NML16 SUAN 9770 SN-99019 12:6 09-10-2023 9:00 Day NML16 SUAN 9770 SN-99019 13:7	83 0 183 55 70 72 57 50 36 48 85 0 19 51 70 71 64 54 41 53 75 0 193 49 72 74 67 64 42 59	35 Aircraft, RTN - 5 min excluded 40 Aircraft, Wind - 2 min excluded 37 Aircraft, Wind - 3 min excluded	3 7 1	9 11 13 19 20 36 33 33	22 31 32 34 35 35 36 36 37 32 38 38 39 38 36 35 32 32 21 12 5 5 38 38 39 38 30 38 30 38 30 37 38 38 38 38 38 38 38 38 38 38 38 38 38
09-10-2023 9:35 Day MML16 SVAN 977D SN:99019 14.4 09-10-2023 9:30 Day MML16 SVAN 977D SN:99019 12.6	60 0 19.7 46 64 65 55 46 37 45 66 0 20.4 43 69 73 55 46 36 45	37 Wind, RTN - 3 min excluded 35	7 9 10 1 4 5 7	1 13 17 16 17 20 21 23 8 12 12 14 21 15 18 21	20 27 28 28 27 28 28 27 28 28 28 28 28 28 28 28 28 28 28 28 28
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09-10-2023 90:15 Stay NML16 SVAN 977D SN:99019 10.1 09-10-2023 90:30 Stay NML16 SVAN 977D SN:99019 10.8 09-10-2023 90:45 Stay NML16 SVAN 977D SN:99019 9.4	65 0 21.6 38 63 67 55 50 36 46 71 0 22.2 36 62 64 56 48 34 45 82 0 22.5 35 66 70 55 48 33 44	35 RTN - 2 min excluded 36 RTN - 3 min excluded	3 4 5	9 16 14 17 17 18 20 22 7 10 14 17 21 24 22 24 4 7 8 11 11 13 16 17	23] 25 27 29 36 32 33 33 33 35 35 39 35 34 34 34 32 13 6 24 26 26 29 32 33 34 32 32 33 33 36 37 34 33 33 33 32 21 11 6 26 21 23 24 25 26 26 27 27 31 33 35 35 35 35 37 22 10 5
09-10-2023 11:00 Day NML16 SVAN 977D SN:99019 11:2	78 0 22.5 35 62 65 55 45 32 43	33 32 32 RTN - 2 min excluded	0 2 3	5 7 8 10 10 12 15 17	18 21 22 24 25 25 26 29 31 31 31 30 30 32 37 38 26 11 5
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End Time Time	Location	Logger Mine West	ther Data			Ray 15	5-minute Statistical	Dota	Logsum LAeq15min to	ts Lmax Requires Further		Raw LAsq tSmin	1.0 Spectrum														_
Period		Wind Spee (km/tr)	Mind R	Rainfall Ten (mm) (oC	mp Humidit	ty LAmex	LAImax LA1	LA10 LA90 LAsq	LAsq SS30 Hz (incl +2.3 dB	Review		20Hz 25Hz	31.5Hz 40Hz 50H	z 63Hz	80Hz 100Hz	25Hz 160Hz	200Hz 250H	315Hz 40	OHz SOOHz 63	OHz 800Hz	1kHz 1.25kHz	1.6kHz 2kHz	2.5kHz 3.15kHz	9dHz SkHz	6.3kHz 8kHz	109Hz 12.5kHz 169	kHz
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09-10-2023 23:00 Night	NWL16	SVAN 977D SN:99019 5	4 55	0	15	77 4	68 50 A	11 32 25		05 Ck, 550 dBA		-11 -	5 6 2	5 3	5 7	5 8	10 1	1 15	16 18	19 19	19 15	19 21	20 21	21	18 16 1	4 9 5	-2
09-10-2023 23:15 Night 09-10-2023 23:30 Night	NWL16	SVAN 977D SN:99019 6 SVAN 977D SN:99019 6	5 54	0	14.7	78 4	45 48 3 57 60 3	54 29 22 55 26 20	27 26 2	Check, above 50 dBA	Bird LAmax	-14 -1 -16 -1	3 -10 -7	1 -1	1 5	0 0	2	4 7	9 11	16 16	17 16	17 16 17 21	17 16	15	13 12 1	1 6 4	- 2
09-10-2023 23:45 Night	NML16	SVAN 977D SN:99019 6	5 54	0	14.6	79 5	50 53 3	15 23 19 15 24 18	25	7 Ok, 550 dBA		-16 -1	3 -11 -6	2 -1	-1 3	-2 -2	0	1 4	6 7	9 8	8 9	16 16	17 18	16	11 9	8 6 4	_2
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End Time	Time	Location	Logger	Mine Weath	ner Data				Raw 15	-minute	Statistical D	Codes		Logsum LA	eq15min tota Lmax	Requires Further		Raw LA	eq tSmi	1.0 Spedru	n																			-
	Period		**	Wind Speer		Rainfall	Тетр	Humidit	LATEX	LAlma	x LA1	LAIO	LAGO	LAsq LAsq SS30 I	Hz	Review		20Hz	25Hz	31.5Hz	40Hz 5	50Hz 63	Hz 50Hz	100Hz	125Hz 160	Hz 200h	tr 250Hz	315Hz	400Hz 500	fz 630Hz	800Hz 19	kHz 1.258	kHz 1.6kHz	2kHz 2	5kHz 3.1	5kHz 4kHz	5kHz 6.3	SkHz čkHz	10kHz 12.5kH	fz 16kHz
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11-10-2023 7			SVAN 977D SN:99019	3.	2	Ī	17.3		5		72 0		22	50	35		Aircraft, RTN - 2 min excluded	-12		4	0	10	14 21	32	25	21	27 22	25	24	ZE Z	3 34	32	39 41	¥	ħ	37 2	\$ 40	41 4	23	9 3
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11-10-2023 9			SVAN 977D SN:99019	3.	5 218		21.3		47 7	1	74 6	3 :	57 35	53	25			-14		10 -9	-6	-1	1	1 1	Q.	1	7 7	14	18	15 17	7 18	35	36 47	49	39	40 4	26 28	38 3	2 21 '	.1 3
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11-10-2023 14			SVAN 977D SN:99019 SVAN 977D SN:99019	9.	4 225		27.1				63 5 63 5		45 23 46 33	43	32		Alloratt, RTN - 3 min excused	-11	-	-7 -5	0	- 9	18 11	9 18	23	24	23 25	1 10	27	29 30	32	33	27 30	27	32	34 3	1 28	33 3	18	6 3
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LIGITIE THE COLUMN	Logger Mine Wei Wind Spe	ther Data ed Wind Rainfal	Temp Humidity LF (oC) (%)	w 15-minute Str Vmax L/Almax	tatical Data LA1 LA10 LA90 LAsq	Logsum LAeq15min tol Limax Requires Further LAeq 5530 Hz Review (Incl +2.3 dB		Raw LA 20Hz	eq timin 1/3 Spectrur 25Hz 31.5Hz	n IOHz SOHL	63Hz 50Hz	100Hz	125Hz 160Hz 200Hz 250Hz	315Hz 400Hz	500Hz 530Hz	800Hz 1kHz	1.25kHz	1.68Hz 25Hz 2.58Hz	3.15801z 48	etz Sietz	6.3kHz SkH	tz 10kHz	12.5kHz 167
	(kmhr)	Direction (mm)	(oC) (%)			correction)	Comments (dominant/hoteworthy sources).																ı
04-10-2023 22:15 Night NML18 04-10-2023 22:30 Night NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	1.7 1 2.1 2	0 20.2 74 0 20.1 75	55 57 54 56	52 49 44 4 52 49 44 4	47 42 Check, above 50 dBA 47 42 Check, above 50 dBA	Wnd speed exceedance - Exclude Wnd speed exceedance - Exclude	13	16 17 16 17	18	18 18 1 18 19 1	19 20 19 20	20 21 24 2 26 22 24 2	30 32 30 32	34 35 34 35	36 36	35 35 35 35	35 34 3 35 34 3	41	38 30 38 30	29 29	28 24 28 24	17
04-10-2023 22-45 Night NML15 04-10-2023 23:00 Night NML15 04-10-2023 23:15 Night NML15		7.6 360 5.9 357	0 20 76 0 19.8 77 0 19.7 77	54 55 54 55	53 51 45 4 52 49 44 4 50 48 43 4	40 42 Check, above 50 dBA 47 43 Check, above 50 dBA 46 41 Check, above 50 dBA	wind noise dominant, LAmax due to wind (exclude) wind noise dominant, LAmax due to wind (exclude)	13	17 15 16 18	18	18 19 2	20 20 19 20	20 21 24 20 20 21 24 20 19 20 23 2	30 31 31 32	34 35 34 35 33 34	36 36	35 35	35 33 3 35 34 3 34 32 3	40	38 30 37 30	28 29 27	28 24 29 24 27 22	16
04-10-2023 23:30 Night NML18	SVAN 977 SN-99032 1 SVAN 977 SN-99032 1	5.1 340 2.2 331		54 60 40 51	48 46 39 4 45 42 36 4	43 38 Check, above 50 dBA	wind noise dominant, LAmus due to wind (exclude) Wind noise dominant (exclude)	11	13 14 7 5	15	16 16 1	17 17	17 18 21 2 13 14 17 2		30 31 26 27	31	31 30 27 26	29 28 2 25 24 2		35 27 34 24	25	25 21	
05-10-2023 0:00 Night NML18	SVAN 977 SN:99032 1 RVan 977 SN:99032 1	2.4 323 3.1 329 0.	1 18.8 85	54 56 51 53	51 48 39 4 47 44 39 4	45 30 Check, above 50 dBA 42 Check above 50 dBA		-2	3 4	4	5 6	9 10 7 8	10 11 13 1 8 12 13 1	15 19 20 23		23	20 18 22 21	17 16 3 20 18 2	39	38 23 37 23	19 20	15 14 19 16	8
05-10-2023 0:30 Night NML15 05-10-2023 0:45 Night NML15 05-10-2023 1:00 Night NML15	SVAN 977 SN-99032 SVAN 977 SN-99032 SVAN 977 SN-99032	1.7 251 0. 7.6 193 2.6 196	1 17.7 95 0 17.3 98 0 15.2 99	59 63 47 47 45 49	51 44 32 4 45 42 36 3 44 42 37	41 36 Check, above 59 dBA 20 25 Ok, 550 dBA 20 27 Ok, 550 dBA	Wind noise dominant, DATEX due to Wind (EXCUDE)	-41	9 4	4	5 6 -1 -1	2 2	9 10 13 1 3 4 7 1 2 4 8 1	21 26 13 15	29 30 18 19	30 19	29 31 17 16 21 20	30 28 2 15 13 1 20 18 1	31	33 27 38 21 37 20	12	27 24 15 7	20 5
05-10-2023 1:15 Night NML18 05-10-2023 1:30 Night NML18	SVAN 977 SN-99032 1 SVAN 977 SN-99032 1	2.2 194 0. 1.4 186 1.	6 13.9 100 5 13 100	52 57 56 61	42 40 37 49 47 37	33 Check, above 50 dBA 42 35 Check, above 50 dBA	Rainfall exceedance - Exclude Rainfall exceedance - Exclude	-9 -15	-6 -4 -12 -8	-3	3 4	7 8	8 10 15 1: 7 9 13 1	22 24 21 24	26 28 26 29	28 31	25 25 32 33	26 26 2 34 31 3	30	32 23 32 27	23	22 17 27 23	12
05-10-2023 1:45 Night NWL18 05-10-2023 2:00 Night NWL18	SVAN 977 SN:99032 1 SVAN 977 SN:99032 1	1.0 179	5 12.2 100	91 95	58 46 38 5	55 57 Check, above 50 dBA 45 28 Check, above 50 dBA	Reinfall exceedance, sincreft flyover, LAmex due to aircraft (exclude)	12	15 18	20	23 24 2	27 30	32 35 40 4	46 47	45 50	49	42 35	36 34 3	34	38 30	29	27 23	15
		1.2 181 0. 0.4 159 7.6 145 0.	2 11.6 100 0 11.6 100	51 54 57 58	50 49 45 4 51 49 45 4 51 49 44	27 Check, above 50 dBA 47 25 Check, above 50 dBA 47 25 Check, above 50 dBA 47 22 Check, above 50 dBA	LAmax due to insect noise LAmax due to insect noise	-14	-11 -4 -12 -7	-6	2 -1	1 2	2 5 9 1 6 6 7 1	16 17 11 13	19 20 16 18	21	22 24 21 21	26 25 2 22 22 2 15 12 2	43	44 30 45 31	20	22 10 19 7	13
05-10-2023 2-45 Night NML18 05-10-2023 3:00 Night NML18	SVAN 977 SN:99032 1 SVAN 977 SN:99032 SVAN 977 SN:99032	r.6 145 0. k.7 118	2 11.6 100 0 11.6 100	52 53 52 53	51 49 44 4 50 47 43 4	45 15 Check, above 50 dBA	Umax due to insect noise Umax due to insect noise Umax due to insect noise	-17	-14 -10 -15 -11	-7	6 -2 4 -3	0 1	0 1 7 -1 0 4	7 7	13 15 7 7	15	15 16	15 12 2 9 9 2	43	45 29 43 27	23	16 5	3
	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	17 55 0. 10 11	0 11.5 100 1 11.4 100 0 11.5 100	53 54 50 63	51 40 41 4 51 47 40 4 50 48 40 4	45 15 Check, above 50 dBA 44 21 Check, above 50 dBA 44 21 Check, above 50 dBA	LAmax due to insect noise	-16 -14	-15 -12 -13 -7 -12 -8	3	0 1	5 3	3 5 6	10 11 10 11	12 13 12 12	14	14 13 16 13	10 9 1 11 24 2	40	42 25 42 27	21 20	17 5 17 5	=
05-10-2023 4:00 Night NML15		2.9 326 3.2 299	0 11.6 100 0 11.6 100 0 11.8 100	53 54 54 54	51 48 38 4 51 45 38 4	44 23 Check, above 50 dBA 30 Check, above 50 dBA	Li-max due to insect noise Li-max due to insect noise	-16 -16	-10 -7 -11 -7	-4	3 3	4 6 8 10	5 4 9 1 11 10 21 2	13 13 21 16	12 13 14 12	14	13 12 14 12	10 9 1 10 13 1	35	43 26 42 24	16	18 5 16 5	3
05-10-2023 4:45 Note NML18	SVAN 977 SN:99032	1.6 334 2.4 22	0 11.7 100	50 51 66 68	48 46 38 4 52 46 38 4	44 25 Check, above 50 dBA	LAmax due to insect noise; wind gusts - 1 min excluded	-12	-9 -6 -10 -6	-2	2 4 1 6 11 1	13 12	7 9 12 1: 12 11 11 1:	17 19 15 19	22 24 23 27	31		23 19 1 26 26 2	35	41 23	22	15 5 17 5	=
05-10-2023 5:30 Night NML18	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	5.4 344 6.7 328	0 11.9 100 0 12.1 100 0 12 100	65 67 65 69	61 56 45 5 60 54 41 5	27 Check, above 50 dBA 20 Check, above 50 dBA 20 Check, above 50 dBA 20 Check, above 50 dBA	LAmax due to insect noise; wind gusts - 1 min excluded LAmax due to insect noise; wind gusts - 3 min excluded	-15 -13	-10 -5 -9 -4	5	9 10 1	14 11 16 13	12 11 13 11 13 13 13 1	18 22 18 21	23 29 25 28	32	27 28 34 41 34 34	42 45 4 35 44 3	44	46 41 47 40	39	26 6 24 9	===
	SVAN 977 SN:99032 SVAN 977 SN:99032	1.6 350 1.0 346	0 12.1 100 0 12.3 100	70 73 71 73	62 52 40 5 61 53 40 5	50 31 Check, above 50 dBA 51 37 Check, above 50 dBA	Amax due to bird song, wind noise dominant (Excluded) Amax due to bird song, wind noise dominant (Excluded)	-12 -12	-5 -2 -5 -4	7	6 9 1	11 9 12 10	10 12 13 1: 9 14 13 1:	17 19 19 21	21 28 26 33	33	31 36 33 41	44 42 3 44 44 3	35	47 40 45 34	25 31	23 7 23 7	
05-10-2023 6:15 Night NML18 05-10-2023 6:30 Night NML18 05-10-2023 6:45 Night NML18 05-10-2023 7:00 Night NML18	\$VAN 977 \$N-99032 \$VAN 977 \$N-99032 \$VAN 977 \$N-99032 \$VAN 977 \$N-99032	3.6 334 2.9 317 3.2 289	0 12.5 100 0 12.7 99 0 13.1 95	72 75 67 68 73 76	52 51 39 4 52 46 37 4 55 46 38 5	40 37 Check, above 50 dBA 45 30 Check, above 50 dBA 50 35 Check, above 50 dBA 45 35 Check, above 50 dBA	LAmax due to bird song, wind noise dominant (Excluded) LAmax due to bird song, wind noise dominant (Excluded) LAmax due to bird song, wind noise dominant (Excluded)	-11 -11	4 3 5 1	11 2	8 10 2 6 9 1	11 12 26 22 13 22	18 22 19 23 19 13 15 1	24 27 20 21	20 33 30 34 23 31	38 38	37 40 32 34	42 41 3 39 37 3 46 45 3	35	43 37 40 35 38 38	31 29	21 8 25 10	= 3
05-10-2023 7:00 Night NWL18 05-10-2023 7:15 Day NWL18 05-10-2023 7:30 Day NWL18	SVAN 977 SN-99032 SVAN 977 SN-99032 SVAN 977 SN-99032	2.5 289 2.2 332 3.0 261	0 13.6 96 0 14.1 90 0 14.6 85	55 71 53 55	57 46 36 4 70 54 37 5	45 35 Check, above 50 dBA 57 34	LAmax due to bird song, wind noise dominant (Excluded) Localised Agricultural Noise - 3 min excluded bird song close to microphone - 3 min excluded	-7	4 1	4 5	8 10 1	15 20 23 24 16 16	14 18 16 11 33 30 28 3 17 24 20 22	19 21 30 30	25 31 31 33	33 35	33 35	38 39 3 39 36 4 79 74 6	30 40	38 31 55 50	27 35	16 6 30 21	7
05-10-2023 7-45 Owy NMI 18	SUBN 977 SN-99032	5.4 244	0 15.2 77	109 111 70 73 72 73	55 46 37 6 56 46 36 4 61 49 37 4	60 37 45 36		-9	-1 3 -6 -1	2	6 12 1	16 16 16 17 13 13	12 20 20 11 14 14 15 21	24 25 22 24 19 24	27 34 25 30 28 ***	42 31	46 54 28 30	36 34 3 43 40 3	57 30	60 69 41 37 40 35	59 29	57 41 19 5	22 3 4
05-10-2023 8:00 Day NML18 05-10-2023 8:15 Day NML18 05-10-2023 8:30 Day NML18	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	5.5 218 5.5 218 5.0 213	0 15.8 70 0 15.8 73	74 75 74 75	58 51 39 4 60 49 38 4	49 35 49 37	bird song close to microphone - 5 min excluded Localised Agricultural Noise - 4 min excluded	-10	4 1	5	9 14 1	15 17 16 17	14 14 15 21 21 20 21 2 28 28 25 25 2	23 27	31 37 30 33	37	37 37 34 37	40 36 3 36 37 3	34	42 40 43 40	32	25 11 24 11	=
05-10-2023 8:45 Day NML18 05-10-2023 9:00 Day NML18	SVAN 977 SN:99032 1 SVAN 977 SN:99032 1	1.5 193 1.9 192	0 16.2 74 0 16.6 72	75 78 62 63	59 50 39 4 54 49 37 4	49 37 46 37	bird song close to microphone - 1 min excluded bird song close to microphone - 1 min excluded	-7	-2 5	6	10 14 1 10 12 1	16 19 16 14	22 22 19 2 15 18 17 1	24 25 20 23	29 31 28 34	32 34	33 32	44 35 3 35 34 3	37	39 40 40 39	37	26 11 22 9	- 4
05-10-2023 9:30 Oxy NML18	SVAN 977 SN-99032 1 SVAN 977 SN-99032 1 SVAN 977 SN-99032 1	1.0 207 1.9 212	0 16.8 72 0 17.2 68 0 17.9 64	62 65 68 70	55 49 38 4 57 48 37 4	45 34 46 35	vehicle pass by - 2 min excluded	-7	0 2	5	5 8 1 13 21 2	14 19 24 35	19 18 16 1 30 25 21 2 17 19 19 2	20 22 26 26	26 28 28 31		23 23	41 37 3 38 35 3	35	39 40 38 36 35 31	34 30 28	24 13 24 13	4 7
	SVAN 977 SN:99032 1 SVAN 977 SN:99032 1	1.9 213	0 18 61	65 67	58 46 37 4	45 27	animal noise (cow bellows) close to microphone - 5 min exclude	1 2	0 2	6	12 15 2	25 24	20 24 23 2	25 27	30 33	34	34 37	36 36 3	31	32 30	23	19 13	
05-10-2023 10-30 Day NM 18		1.9 214	0 18 60	64 66 83 84	56 46 35 4 75 57 35 5	44 36 50 M	animal noise (cow bellows) close to microphone - 2 min exclude	12	20 12	15	10 11 1	17 15	15 19 19 2	24 25	27 29	51	33 35	37 34 3	32	37 29	25	24 15	- 6
	PURM OTT PM-00000	1.5 215 1.6 225 1.0 227		57 69 70 71	61 52 35 4 61 45 34	49 36 45 36		5	5 4 10 4	10	16 16 2 16 18 2	20 17 22 17 34 33	18 21 20 Z 15 19 18 2	24 25 23 24 41 46	27 29 27 28	32	35 42 31 39	45 43 3 43 42 3	29	31 30 26 32	26	22 13 23 14 37 29	
05-10-2023 11:15 Day NML18 05-10-2023 11:30 Day NML18	SVAN 977 SN-99032 1 SVAN 977 SN-99032 1 SVAN 977 SN-99032 1	1.3 229	0 19 53	95 97 76 78	78 57 36 6 65 44 35 5	50 36	sircraft noise, vehicle pass by (Excluded) vehicle pass by - 2 min excluded vehicle pass by - 5 min excluded	4	16 6 6 7	15	13 16 1	19 25	29 39 40 4- 16 19 20 23	41 46 25 26	46 46 29 31	33	51 61 34 42	61 58 5 47 44 3	46 29	43 45 31 34	45 31	37 29 25 19 23 18	9
05-10-2023 12-15 Owy NMI 15	SVAN 977 SN:99032 1 SVAN 977 SN:99032 1 SVAN 977 SN:99032 1	0.8 214 1.2 226 0.1 218	0 18.5 50 0 18.8 48 0 19.3 46	76 77 65 66	68 51 38 5 55 49 36 4	55 40 46 36	bird song close to microphone (Excluded) vehicle pass by - 1 min excluded	-5	3 3	16 11 4	9 13 1	27 29 17 21 14 17	23 23 22 28 18 19 19 22	28 28 24 27	31 32 31 32	34 34	39 49 34 34	50 48 3 41 38 3	36	35 37 32 31	36	26 20 21 15	9
05-10-2023 12:30 Day NML15 05-10-2023 12:45 Day NML15 05-10-2023 13:00 Day NML15	SVAN 977 SN:99032 1 SVAN 977 SN:99032 SVAN 977 SN:99032 1	2.8 218 2.4 217	0 19.4 48 0 19.2 47 0 19.2 46	78 79 85 87	73 57 36 5 69 57 36 5	58 35 58 35	Localised agricultural noise - 2 min excluded Aircraft noise - 1 min excluded	19	25 9 9 7	14	33 26 3 16 15 3	33 30 21 22 25 21	31 47 44 40 19 21 21 22 18 22 29 22	46 48 24 27	48 47 29 32	34	46 44 35 38	43 45 4 39 44 4	45	44 43 55 53	40 40	31 23 35 36	27
05-10-2023 13:15 Day NML18 05-10-2023 13:30 Day NML18	SVAN 977 SN 99032 1 SVAN 977 SN 99032 1	3.8 218 3.7 249	0 19.8 43	83 85 69 70	75 51 37 6 60 57 42	20 60 20 53	Localised agricultural noise dominant (tractor in field) - exclude Localised agricultural noise dominant (tractor in field) - exclude	11	19 9	14	33 26 3 19 31 3	38 37 31 21	39 45 45 4 21 34 28 3	46 50 34 37	51 52 49 43	52	49 47	46 43 3 44 42 3	35	30 25 31 29	22	16 10 21 16	F.
05-10-2023 13:45 Day NML18 05-10-2023 14:00 Day NML18	SVAN 977 SN 99032 1 SVAN 977 SN 99032 1	1.9 230	0 20.2 38	55 61	50 57 41 5 53 50 43 4	54 54 45 47	coalised agricultural noise dominant (tractor in field) - exclude Localised agricultural noise dominant (tractor in field) - exclude	-1	9 14 8 12	14	20 20 2	33 20 20 33	24 23 31 3 39 19 23 2		35 39	43 38	44 42 38 37	42 39 3 36 35 3	29	31 29 28 28	24 26	15 13 15 11	- 7
05-10-2023 14:15 Day NML18 05-10-2023 14:30 Day NML18 05-10-2023 14:45 Day NML18	SVAN 977 SN 99032 1 SVAN 977 SN 99032 1 SVAN 977 SN 99032 1	2.8 252 1.2 235 1.8 235	0 20.4 37 0 20.2 38 0 20.2 39	65 69 61 63	50 57 43 5 58 53 42 4	54 53 40 40	Localised agricultural noise dominant (tractor in field) - exclude Localised agricultural noise dominant (tractor in field) - exclude Localised agricultural noise dominant (tractor in field) - exclude	-1 0	4 12 4 11 24 13	13		35 20 33 37 39 33	22 24 30 3 39 22 24 2 34 44 44 44	35 40 32 33 45 45	49 44 41 40	45 39 49	45 46 39 39	44 42 3 37 36 3	35	31 30 32 31	29 25	19 11 15 11	=
05-10-2023 15:00 Day NML18 05-10-2023 15:15 Day NML18	SVAN 977 SN-99032 1 SVAN 977 SN-99032	2.8 243 2.7 259	0 20.1 39 0 20.3 38	56 57 75 77	53 51 37 4 51 45 36 4	46 46 44 37	Localised agricultural noise dominant (tractor in field) - exclude	-1	6 11 3 9	13	20 25 3 18 16 1	31 26 15 16	23 22 23 2 16 17 18 2	25 31 23 26	40 40 28 32	37	36 34 34 33	36 33 3 33 32 3	28	25 24 34 35	20	15 9 27 19	12
05-10-2023 15:30 Day NML18	SVAN 977 SN 99032 1 SVAN 977 SN 99032 1 SVAN 977 SN 99032 1	1.2 246 0.1 251 0.1 235		63 65 64 65 75 76	56 47 34 4 56 46 33 4 61 53 33 5	44 37 44 32	ocalased agricultural noise - 4 min excluded localased agricultural noise - 3 min excluded localased agricultural noise - 2 min excluded	- 4	3 5	3	9 16 1 6 12 1	15 16 12 18	15 15 15 2 17 19 16 10	22 27 19 23 27 29	30 34 25 35	37 35	35 36 31 32 39 37	35 33 2 34 37 3 35 38 4	32	25 25 35 34 45 41	23	16 11 16 10 27 21	5
05-10-2023 16-15 Day NM 18	RUAN 977 RN 99037 1	24 239 24 215		59 73	61 53 33 5 63 53 35 5 57 46 36 4	50 25 51 25 45 26	ocassed agricultural noise - 2 min excluded	-9 -13	6 3	2 2	6 9 1	15 23 12 16 18 22	23 24 20 2 13 12 14 10 24 16 16 2	20 23		31 32	31 31 33 32	35 36 4 33 40 4 36 38 3	44	46 41 44 43 36 34	37 25	25 19 20 12	14
05-10-2023 15:45 Day NML18 05-10-2023 17:00 Day NML18	SVAN 977 SN 99032 SVAN 977 SN 99032 SVAN 977 SN 99032	1.5 234 0.7 224	0 21.8 35 0 21.8 35 0 21.7 34	66 62 69 70 77 79	61 51 37 4 70 61 39 5	45 26 58 38	localised agricultural noise - 4 min excluded localised agricultural noise - 5 min excluded	- 4	1 2	5	9 13 2 7 13 1	26 37 12 12	37 29 36 3 13 14 16 2	25 25	36 37 31 37	38 35	37 35 35 40	37 36 3 41 48 5	34 50	36 34 50 49	30 45	22 14 35 29	24
05-10-2023 17-45 Owy NAM 18	SVAN 977 SN-99032	3.1 234 3.0 241 3.5 239		68 71 61 61 62 64	59 49 35 4 51 45 35 4 49 44 35 4	47 35 43 36 41 34	RTN - 1 min excluded	-7 -7	4 4	5	7 15 2 2 9 1	7 7 25 28	8 15 14 11 16 16 15 11 9 13 12 14	20 24 22 27 18 24	27 30 29 32 25 29	32 33 31		34 39 4 32 29 2 28 30 2		39 35 37 26 37 28	30 21 19	21 16 17 9 16 10	3 5
05-10-2023 18:00 Day NML18 05-10-2023 18:15 Evening NML18	SVAN 977 SN 99032 SVAN 977 SN 99032 SVAN 977 SN 99032	5.4 206 5.1 207	0 19.4 41 0 18.8 42	64 65 65 69	56 49 37 4 55 46 38 4	46 34	RTN - 3 min excluded RTN dominant - exclude	-10 -7	5 1 6 3	3 4	8 13 2 11 14 1	21 19 10 11	23 19 20 21 14 15 16 11	24 27 23 30	31 36 29 32	36 35	35 34 33 38	34 34 3 36 36 3 31 27 2	35	41 32 41 27	26 21	23 12 20 9	5
	SVAN 977 SN 99032 SVAN 977 SN 99032 SVAN 977 SN 99032	7.2 193 5.1 185 7.2 188	0 18 44 0 17.3 46 0 16.7 46	59 62 59 60	55 48 38 4 52 47 42 4 47 46 41	46 42 45 38	RTN dominant - exclude RTN dominant - exclude	-2	4 4	12	22 21 1 15 24 2	19 19 22 19	20 19 23 2 23 24 16 1:	31 34 22 25	33 34 29 31	37 34 24		31 27 2 31 29 2 27 27 2	35	41 24 41 20 42 20	15	20 7 16 8	4
05-10-2023 19:15 Evening NML18 05-10-2023 19:30 Evening NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	5.1 203 5.6 166	0 15.9 51	52 52 55 58	48 46 38 4 47 45 37 4	43 28	Vehicle movement on property - 4 min excluded Vehicle movement on property - 2 min excluded	-9 -10	6 2	-1	12 10 0 4	8 14 6 7	15 10 11 1- 5 7 12 1	17 20 20 24	25 27 24 25	29 27	27 24 25 23	24 20 2 28 22 1	40	41 15 39 14	12	12 7	4
	SVAN 977 SN 99032 SVAN 977 SN 99032 SVAN 977 SN 99032	13 190 18 195	0 15.5 52 0 15.1 53 0 14.6 55	55 59 54 65	51 44 34 4 55 41 35 4 46 41 32	42 40 42 37	Vehicle pass by (Excluded) Vehicle pass by (Excluded)	-6	5 3	2	11 22 2 6 12 1	24 17 16 19	16 25 24 3 20 17 15 1	30 29 24 25	30 31 28 32	35	32 31	27 24 2 29 25 2	33	32 15 33 17	14	10 6	#
05-10-2023 20:30 Evening NML18 05-10-2023 20:45 Evening NML18	SVAN 977 SN-99032 SVAN 977 SN-99032	L3 201 L0 183	0 14.2 56 0 13.9 57	53 57 43 45	41 35 32 : 38 35 31 :	35 26 33 26	RTN dominant - 5 min excluded RTN dominant - 3 min excluded	-15 -16	-10 -5 -12 -10	-3	0 7	9 6 8 -1	2 5 12 11 1 2 8 1	17 20 12 15	23 24 18 19	24 21	23 19 21 15	17 17 1 17 11 1	29	32 13 29 9	10	9 5 8 5	3
05-10-2023 21:00 Evering NML18 05-10-2023 21:15 Evering NML18 05-10-2023 21:30 Evering NML18	SVAN 977 SN-99032 SVAN 977 SN-99032 SUAN 977 SN-99032	1.6 186 1.7 187 1.7 193		50 51 47 49	53 41 31 4 45 36 25 3	41 30 35 26	Vehicle movement on property - 2 min excluded Vehicle movement on property - 3 min excluded	-15 -11	-12 -9 -7 -4	9	0 9 1 16 13	7 8	5 12 14 10 8 8 11 1-	19 25 17 21 14 17	24 25 24 26		25 23 27 24 25 20	24 34 3 22 16 1 22 16 1	25	32 30 25 9	26 8	15 10 8 5	=
		184 1.9 187	0 13.3 56	43 45 46 47	39 34 27 36 31 20	32 25 28 24		-16 -16	-14 -10 -13 -10 -13 -9	-4 -7	5 4	-2 0 -2 -1	2 1 6 1 5 0 6 1	12 14 11 13	17 20 15 18	23	25 20 21 17 21 17	12 9 1 13 9	26	25 S	8 7	7 5 6 5	3
05-10-2023 22:30 Night NML18	SVAN 977 SN-99032 SVAN 977 SN-99032	194	0 13.2 56 0 13.2 54 0 12.8 55	42 45 43 44	34 26 19 2 36 29 17 3 35 24 17	25 22 Ök; 550 dBA 25 24 Ök; 550 dBA		-17 -17	-14 -12 -14 -12 -14 -12	9	3 4	9 -2	2 5 5 1	12 14 14 15	13 12 15 15	15	16 12 18 13	9 7 8 7	16	18 7 12 7	7 7	6 5	3
05-10-2023 23:15 Night NML18	SVAN 977 SN:99032	1.7 190 5.4 192 2.9 191	0 12.6 55 0 12.3 56 0 12 56	45 47 51 52 43 44	47 36 16 3 36 27 17 3	23 20 Ok, 550 dBA 35 35 Check, above 50 dBA 24 25 Ok, 550 dBA	Wind noise, LAmax due to wind noise - 3 min excluded	-17 -15	-11 -7 -14 -11	-3	2 1 5 4	8 4	5 17 16 1 3 -1 2 1	21 23 16 15	14 15 26 29 14 17	27 13	26 23 12 12	8 7 18 13 9 7	11	11 8 10 7 9 7	7	6 5 6 5	=
05-10-2023 23:30 Night NML18	SVAN 977 SN 99032 SVAN 977 SN 99032 SVAN 977 SN 99032	2.2 148 3.6 142 3.6 153	0 11.8 56 0 11.9 54 0 11.5 56	35 35 44 45	35 26 16 3 36 30 17	23 24 Ök, 550 dBA 25 25 Ök, 550 dBA 50 19 Check, above 50 dBA	LAmax due to bird song	-17 -14	-14 -12 -11 -7	9	-6 -7 -	-1 13 -2 0	17 17 5 1 -1 1 6 1	6 4 14 15	4 4 18 19	19	6 7 17 13	11 6 10 7	10	8 7 11 9	7	6 5	-
06-10-2023 0:15 Night NML18	SVAN 977 SN:99032	1.6 153 5.1 174 5.5 167	0 11.5 56 0 11.5 56 0 11.1 59	70 73 54 65	53 54 17 5 59 44 17 4 57 44 18 4		Armay due to hird soon	-16 -17	-14 -12 -14 -12 -8 0	-7 -7	-5 -4 9 16 1	5 5 4 6 16 20	7 4 2 26 18 19 2	2 12 4 12 26 27	9 13 14 20 32 34	20 35	23 25 34 32	24 44 4 20 37 4 29 35 3	40	36 37 30 30	36 34 28	25 21 22 17 16 10	10
	SVAN 977 SN-99032 SVAN 977 SN-99032 SVAN 977 SN-99032	1.7 155 1.2 111	0 10.8 59	76 81 72 75	61 36 16 4 61 43 17 4	44 26 Check, above 50 dBA 49 20 Check, above 50 dBA 46 29 Check, above 50 dBA	LAmax due to bird song RTN, 2mins excluded; birds LAmax	-17 -14	-14 -11 -7 -1	-5	-5 -5 16 17 1	-3 -3 15 24	4 -5 0 : 24 18 18 2	4 7 26 27	13 14 33 34	14 35	26 28 35 32	22 41 4 29 37 3		40 41 36 36	33	27 23 22 17	17
	SVAN 977 SN 99032 SVAN 977 SN 99032 SVAN 977 SN 99032	1.4 134 1.1 193	0 10.1 63 0 9.8 64 0 9.3 67	60 63 46 47	51 35 16 3 40 30 16 3 57 38 16 4	25 29 Check, above 50 dBA 28 28 0k, 550 dBA 43 13 Check, above 50 dBA	LAmax due to bird song	-16 -16	-14 -11 -14 -11	4	4 5	-1 0 -2 0	5 5 10 1; 5 4 9 1;	19 21 19 19	19 20 19 19	20 20	19 17 18 14	14 31 2 11 8 18 37 3	31	25 25 7 7	22 7	12 7 6 5	=
06-10-2023 2:00 Night NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	2.2 82 2.5 107	0 9.3 67 0 9.2 68	56 59 60 64	46 31 16 3 51 21 16	32 25 Check, above 50 dBA 36 12 Check, above 50 dBA	LAmax due to bird song LAmax due to bird song	-15 -17	-12 d -14 -12	3	-1 -3 -6 -7	1 1	0 4 8 1 6 -7 -3	12 14	16 18 2 3	19	16 13 12 14	10 25 2	27	20 21 26 26	15 22	5 5 12 8	3 4
																	28 26			16 13			
06-10-2023 2:15 Regit NML18	SVAN 977 SN 99032 SVAN 977 SN 99032 SVAN 977 SN 99032	2.9 114 2.2 125 2.5 254	0 8.7 70 0 8.8 70 0 7.6 77	55 56 63 66 41 42	50 29 16 3 52 38 16 3 38 29 16	34 30 Check, above 50 dBA 35 25 Check, above 50 dBA 25 Check, above 50 dBA	LAmax due to bird song : vehicle movement - 2 min excluded	-16 -15	-12 -6 -11 -6 -13 -11	9	6 5 7 9	7 10 9 8	9 10 11 1-	13 17 17 21	22 25 18 18			23 22 2 23 31 2 8 6	31	26 27 8 7	22 7	12 8	4

The content will be content	End Time Time Period Location	Logger	Mine Weather Data			Rw 15-	minute Stat	istical Data			ogsum LAeq15min to	Umax Requires Further		ftaw LA	q.15min:1/3	Spectrum															-
Service Servic			Wind Speed Wind (kmhr) Direction	Rainfall (mm)	Temp Humidity (oC) (%)	LAmax	LAimax I	A1 LA	10 LA90	L/and D	Aug SS30 Hz incl +2.3 dB	Review		20Hz	25Hz 3	1.5Hz 40Hz	50Hz 63	9Hz SOHz	100Hz 12	15Hz 160Hz	200Hz 2	50Hz 315Hz 400Hz	500Hz 6	130Hz 800Hz 1kHz	1.25kHz	1.6kHz 2kHz 2.5kH	3.158Hz 4kHz 58Hz	6.3kHz 8	kHz 10k	Hz 12.5kh	z 16kHz
				L.		<u>. </u>					correction)	3	Comments (dominant/noteworthy sources).	Щ.																	
		SVAN 977 SN:99032	1.1 282	2 0	7.7 7	5 47	50		25	17 24	- 1	0 Ok, 550 dBA		-15	-12	9 11	0	-2 2	- 3	4 4	0	2 3 4	5	6 7	7 6	7 10 1	5 18 17 1	7 7	6	5	3 1
	06-10-2023 4:35 Night NML18 1 06-10-2023 4:30 Night NML18				7.2 7						2	7 Check, above 50 dBA 4 Check, above 50 dBA	LAmax due to bird song			4 3	-2	-2 2 -2 0	2	1 2	6	8 12 15	15	19 22 16 18	24 21 22 21	18 36 3 21 37 3	3 38 31 3 2 36 31 3	27	16	11	5 1
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A	06-10-2023 5:30 Night NML18 3	SVAN 977 SN:99032	4.0 12 5.4 38	9 0	7.5 7	2 2	65	57	49	32 45	- 1	Check, above 50 dBA	Localised agricultural noise dominant, bird song Livrisk Localised agricultural noise dominant, Bird song Livrisk	-12 -14	-10	3 0	5	3 5	3	15 22 4 7	13	16 18 22		29 31 :	34 41 29 33	37 39 3	8 37 35 3	2 25		10	5 1
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Column C			2.2 5		7.2 8	11 66	68	56	47	34 44			(Excluded) Localised agricultural noise dominant. Bird song LAmax	-12	J	3 0	3	7 9	9	6 5	12	17 20 24	28	32 32	31 38	39 34 3	3 31 32 3	26	16	9	++
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Second			0.7 358		8.8 7	70	73	62	50	34 49	x		(Excluded) Localised agricultural noise dominant. Bled song LAmax	-11	- 3	3 2	5	12 13	10	7 11	13	16 19 22	26	34 32	35 41	44 43 3	5 30 30 3	25	20	-11	1
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	06-10-2023 7:30 Day NML18	SVAN 977 SN:99032							48		3	4	Animal house and secret house - 4 min excluded	-13	-9	1 15	5 6	9 13	17	25 18	14	33 33 37 15 17 19	23	27 28	12 40	43 41 3	5 33 29 2	7 25	18	10	4 1
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## Company No. 1	06-10-2023 15:00 Day NML18 1	SVAN 977 SN:99032	6.8 194		25.5 3	11 51 11 59	62	53			2 2	2		-2 -1	-1	1 3	6	15 17 8 10	23	20 22 13 12	19	15 14 15 14 17 19	18 22	26 28 :	22 28 27 30			7 23	17	13	4 5 7 5
## Company of the com	05-10-2023 15/30 Day MM 18 1	RUAN 977 RN-99037	7.9 155		25.6 2		55	56	45	33 44	20	6	localised agricultural noise - 3 min excluded	-15 -7	-11	8 -1	0	15 17 15 18	16	8 10 20 20	20	10 12 13 24 24 27	18 28	32 34 :	22 25 35 37	30 25 2 38 37 2		17	16	10	5 5 7 5
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## Company of the Com	05-10-2023 18:00 Day NML18 1	SVAN 977 SN:99032	6.5 190	0	22.6 3	12 65 14 62		53	45	35 44	2	7		-15 -13	-11 -4	7 1	18	11 16 16 14	17	6 8 20 17	17		25 28		31 30	28 31 2 32 30 2		2 24	19	12 8	5 2
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## STATE STA					19.3 3		529	51	49	41 47	2	2	Wind noise dominant - exclude	-12 -7	-7	5 7	10	19 12	11	9 10	14	16 18 19	20	21 21	29 34 19 17	16 14 3	9 45 39 2	1 19	16	13	5 2
## Company Services	05-10-2023 19:45 Evening NML18 1 05-10-2023 20:00 Evening NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	9.7 130 10.1 81	0	18.6 3 19.1 5	17 59 14 62	50 55	53 55	47	41 46	2	4	Wind, Aircraft - 3 min excluded	-3	-2 -2	-1 :	6	15 24 11 30	20 14	27 31	26	24 27 28	27 28	32 34 :	25 22 30	24 22 3 28 24 4	0 41 36 2	1 19	17	12	7 4
8-2011 May 100	05-10-2023 20:15 Evening NML18 1 05-10-2023 20:30 Evening NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	9.0 77 9.4 77	1 0	19 6 18.5 6	12 47 16 63	45 64		45	37 41 37 43	2		Wind - 3 min excluded Wind - 1 min excluded	-5	-3	-2 2 1 1	7	7 11 20 23	14	7 14	17		23	20 20 33 35	19 18 32 30	17 16 2 28 24 3		18	17	13	7 4
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## OFFICE SIGN SALE SPATE PROPERTY AND SPATE PROPERTY AS A SPATE S	07-10-2023 5:15 Night NML18	SVAN 977 SN:99032	4.7 82		11.7 8	50 55 57	622	55	49	31 46	ž	Check, above 50 dBA	LAmax due to insect noise	-13	-10	4 4	-2	1 2		1 1		6 9 12	13	15 15	21 27	33 43 3	5 35 38 3	25	23	18	5 2
67-50-2017-0-1969 Mod.1 (1) 10-10-17-0-17-0-17-0-17-0-17-0-17-0-17-	07-10-2023 5:30 page: NML18 07-10-2023 5:45 Night NML18	SVAN 977 SN 99032	5.8 76 4.0 00		11.7 8	9 64	65	53			2	Check, above 50 dBA	LAmax due to insect noise	-11	-7	4	14	3 5	6	5 5	15	11 13 15	18	25 28	30 35	25 33 3	32 37 3 0 30 32 2	18	18	10	##
## 15 1 1 1 1 1 1 1 1 1	07-10-2023 6:15 Night NML16	SVAN 977 SN-99032	3.2 110		12.1 8	17 E2	65	54	47	29 43	2	Check, above 50 dBA	Armax due to wind noise, mine noise not audible	-10	-6 -7	8 -	2	6 13	- 4	3 1	-	9 13 16	19	22 23	29 25	35 35 3	2 31 34 2	21	16	9	#=1
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			11.2 96	0		1 65	70	56			4	0	RTN and localised agricultural noise dominant	6	7	9 10	11	12 14	20	30 24	16	28 27 28	29	30 31	30 31	37 38 3		25	21	14	7 3
9-15-20-15			11.5 92						50	37 51	2			10	12	13 13	14	15 16		41 35	35	39 40 40			29 39		7 35 34 3			17 1	0 4
27-52-07-12 by Mail Sent/Freeze 12 4 5 6 6 7 5 6 3 6 7 3 6 3 6 7 5 6 3 6 7 3 6 7 3 6 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5 7	07-10-2023 8:00 Day NML18 1 07-10-2023 8:15 Day NAR 18	SVAN 977 SN 99032 SVAN 977 SN 99032	11.5 90 15.1 AT	0	17 6	4 63	65	54	47	39 45 38 46		7	RTN and wind noise dominant - 4 min excluded RTN and wind noise dominant - 3 min excluded	12	14	15 15	15	16 17 19 28	17	17 17	20	23 26 27 29	30	32 33 34 37	33 34	38 37 3 39 37 3	4 34 30 2 2 30 31 ?	25	23	18 1	1
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08-10-2023 13:15 Ou 08-10-2023 13:30 Ou 08-10-2023 13:45 Ou	y NML1	8 SVAN 977 SN 9900 8 SVAN 977 SN 9900 8 SVAN 977 SN 9900	2 7.9	91 0 110 0 49 0	23.4	30 50 31 52 31 67	5 50 7 70	46 47 62 71	41 32 41 30 50 33	36 48	33	Aircraft - 3 min excluded	6 10	8 9 13 14	9	10	11 1: 33 2	2 12 13 1- 7 28 28 28 21	16 19 27 30	21	22 32 25	25 27 28 24 26 26 38 36 39 29 32 33	28 2 26 2 40 4	9 29 29 29 7 29 29 29 0 40 35 34 0 52 51 40	25 31	23 23 22 24 23 23 31 29 26 37 40 40	21 17 11 22 17 10 25 19 11
08-10-2023 14:00 Ou 08-10-2023 14:15 Ou 08-10-2023 14:30 Ou	y NML1	8 SVAN 977 SN 9903 8 SVAN 977 SN 9903	2 9.0	120 0 109 0 65 0		25 70 29 65	5 78 9 71	71 55	53 34 43 31	56 44	35	Aircraft - 2 min excluded	7	9 10	11	11	13 1 16 2	6 16 15 11 3 23 15 21	18 20 23 26	22 27	25 27	29 32 33 26 29 31 30 29 26	39 5 32 3	0 52 51 40 7 38 35 30 9 40 39 33	36	37 40 40 26 26 24 26 25 23	32 25 14 21 17 10
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End Time																															
End Time	I Ime Penc	od Location	Logger	Wind Speed Wind Ri (kmhr) Direction I'm	infall Tem	np Humidity	LAmax LAm	BX LA1	LA10 LAGO	LAsq LAsq SS30 Hz (incl +2.3 dB	15min tol Lmix Requires Further Review		20Hz	g tilmin 1/3 Spe 25Hz 31.5k	tz 40Hz 5	50Hz 63	9Hz 8OHz	100Hz 1	150Hz	200Hz 250Hz	315Hz	400Hz 500H	iz 630Hz 800Hz 1	kHz 1.25ki	Hz 1.5kHz	260tz 2.5	58Hz 3.158H	tz 4kHz	58Hz 6.38H	SkHz 10k	Hz 125kHz 16kHz
										correction)	23	Comments (dominant/noteworthy sources).																			
08-10-2023 14:45 08-10-2023 15:00	Day Day	NML15	SVAN 977 SN:99032 SVAN 977 SN:99032	5.3 77 7.9 54	0 2	24.6 2 23.9 3	10 52	62 5 63 5	0 42 : 5 43 :	13 42	35 37		2	3 2	4 5	6	9 1	19 15	10 21 20 18	17 2	22	24	24 26 26 27 33 34	25 34	28 34 31 30	32 25	26 2	22 25 35 35	25	0 19	14 8 4 15 10 4
08-10-2023 15:15 08-10-2023 15:30	Day	NWL15	SVAN 977 SN:99032 SVAN 977 SN:99032	9.0 116 8.6 94			19 65	65 5 63 5	6 43 4 48	13 44	33	aircraft - 1 min excluded	5	9 8	8 9	24 10	31 2 11 1	15 24 11 12	25 23 12 13	15 1	24 19	26 22	29 31 32 24 26 27 28 32 34	34 34 28	34 35 31 40	37	33 3	32 30 32 32	26 30	4 22 8 23	16 10 5 17 10 5
08-10-2023 15:45 08-10-2023 16:00	Day	NML15	SVAN 977 SN:99032 SVAN 977 SN:99032	7.2 105 7.2 80	0 2	24.1 2		74 6 65 5	7 51 3 5 43 3	15 43	37		9	11	8 9 12 12	11	12 1	3 14 5 15	15 16 16 17	17 1 18 2	23	25 25		32	46 45 34 36			10 35 27 32	34 28		19 12 6
08-10-2023 16:15 08-10-2023 16:30	Day	NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	9.0 73 6.1 81	0 2	23.3 3	11 62	73 5 53 4		15 40	35	RTN - 1 min excluded	5	7	8 9	10	19 1	12 26	24 20 17 14	23 2 18 2		26	28 30 32 26 27 27		29 32				32 26	2 21	19 12 6 16 10 5
08-10-2023 16:45 08-10-2023 17:00	Day	NML15	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	7.2 108 6.8 69	0 2	23.8 3	19 50 10 70	82 7 72 6	2 62 0 48	15 59 16 48 10 47	43	RTN and Wind noise dominant - exclude	14	16	5 6 17 18	18	20 2	9 10 5 22	10 11 21 24	13 1 25 2	22 29	31	34 37 40	41	53 55 39 39	38	32 2	57 39 50 34	29	9 30 8 27	22 11 4 23 16 9 23 16 9
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08-10-2023 17:45 08-10-2023 18:00 08-10-2023 18:15	Day	NWL15	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	9.7 75	0 2	21.4 3	16 51	83 7	6 40 ·	10 61	44	RTN and Wind noise dominant - exclude	9	- 11	12 14	15	17 1	16 16	17 18	72 2	79	38 :	34 37 43	42	30 41 52 58	56	46 2	13 35	45	2 35	25 16 8
08-10-2023 18:30 08-10-2023 18:45	Evening	NAVE 16	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	5.4 60 7.6 67	0 2	20.1 3	19 55 11 74	57 5	1 48 -	13 46 13 49	40	RTN and Wind noise dominant - exclude RTN and Wind noise dominant - exclude	12	14	15 16	16	17 1	7 17	17 19 20 20	22 2 22 2 25 2	28	29 37	32 33 36 31 32 33 34 36 42	34 33 37	33 32 39 35	32	32 2	55 42 55 40	29	8 28 0 29	23 16 9 25 18 10
08-10-2023 19:00 08-10-2023 19:15	Evening	NWL15	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	5.3 74 11.2 72	0 1	19.5 4	12 66	70 5 55 4	2 49 · 8 46 ·	4 47	43	RTN and Wind noise dominant - exclude wind noise dominant - exclude	14	16	18 18	19	19 1	19 20	20 21 17 18	25 2 23 2	31	33	34 35 37 32 33 33	35	33 32	34 31	34 2 32 2	57 39 55 37	30 28	7 27	25 17 10 22 15 8
08-10-2023 19:30 08-10-2023 19:45	Evening	NWL15	SVAN 977 SN:99032 SVAN 977 SN:99032	10.1 62 7.9 59	0 1	18.7 4 18.2 4	15 49 17 49	50 4	5 44 : 7 44 :	11 44 18 42 18 41	36	wind noise dominant - exclude wind noise dominant - exclude	4	8	7 7	11	10 1	11 12	12 14 13 14	18 2 19 2	29 24 24	25 25		29			31 2	35 35	23 2	3 22	22 15 8 18 11 5 18 11 5 16 9 4
08-10-2023 20:00 08-10-2023 20:15	Evening	NWL15	SVAN 977 SN:99032 SVAN 977 SN:99032	9.7 63 8.6 61	0 1	17.8 5 17.4 5	11 46 15 45	46 4	7 44 4 43 4 42	17 40 14 39	34	wind noise dominant - exclude	-5	3	4 5	3	5	9 10 6 7	10 12 6 9	17 2 13 1	23 19	25 24 20	26 27 27 22 23 23	29 27 22	26 24 21 20	27 28 29	31 2	15 35 15 34 14 34	21 18	1 21 8 17	12 6 2
08-10-2023 20:30 08-10-2023 20:45	Evening	NAVL15	SVAN 977 SN:99032 SVAN 977 SN:99032	9.4 41 9.4 33	0 1	16.6 6	19 45 13 45	46 4	4 41 3	15 39 14 39	32	Wind noise - 5 min excluded wind noise dominant - exclude	-2	-4	0 2	4	8	9 9 8 8	9 11 8 10	15 1 15 1	20	21 22	24 25 25 24 25 25	24 25	23 22 24 23	25 27	30 2	33 32 33 32	20	0 19	14 8 3 14 8 3
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08-10-2023 21:30 08-10-2023 21:45 08-10-2023 22:00	Evening	NAVL 15	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	15.1 31	0 0	16 7	2 44	45 4	1 39 2 2 41 5 39	15 38	36	Wind noise dominant - exclude Wind noise dominant - exclude	2	3	4 5	7	5 1	10 11	11 13	17 2 17 2	23	25	26 27 27 27 27 28 26 26 27	27	25 25 25 24	25 25	25 2 24 2	27 25 28 30 29 29	21 22	2 21	16 9 4 16 9 4
08-10-2023 22:15	Night	NWL15	SVAN 977 SN:99032	6.8 45	0 1	15.5 7	4 41	42 4	0 38	13 35	33 Ok, 950 dBA	Wind noise dominant - exclude	1	2	3 4	7	7	9 10	11 12	16 2	22	23	25 26 26	25	25 24	23	22 2	23 22	20	0 19	14 8 3
08-10-2023 22:30 08-10-2023 22:45 08-10-2023 23:00	Night Night	NAVE 18	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	9.0 37 5.4 55	0	15.2 7		40 3	7 35 :	11 33	32 Ok, 550 dBA 31 Ok, 550 dBA 30 Ok, 550 dBA	wind noise dominant - exclude	4	-3	4 1	4	5 4	6 7	7 9	14 1	20	21 20	23 24 24 22 22 22 22	23	22 20 10	19	19 2	21 20	17	7 16	13 / 2 12 6 2 11 5 2
08-10-2023 23:15 08-10-2023 23:30	Night Night	NML15	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	6.5 50 6.5 54	0 1	14.7	78 39 79 44	39 : 39 : 44 :	6 33 1 38	15 31 19 35	29 Ok, 550 dBA 33 Ok, 550 dBA	Wind noise dominant - exclude	- 5	-3 2	-2 0 3 4	3 7	4 5	5 5	7 8	12 1 15 2	19 18 22	20 19 23	24 25 26	21	20 19 24 23	15		19 17	16	5 15 9 18	10 5 2 14 7 2
08-10-2023 23:45 09-10-2023 0:00	Night Night	NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	5.5 54 5.8 68	0 1	14.6 7 14.4 8	19 45 10 40	45 4	3 41 3 8 33	10 37	35 Ok, 550 dBA 26 Ok, 550 dBA	wind noise dominant - exclude	-6	5	3 -1	3	3 1	4 5	11 13 5 7	18 2 12 1	24	25 15	27 28 25 20 21 20	28 20	27 25 18 17	25 16	24 2 16 1	23 23	22 15	2 21	16 9 4 10 5 2
09-10-2023 0:15 09-10-2023 0:30	Might	NWL15	SVAN 977 SN:99032 SVAN 977 SN:99032	5.0 71 6.1 61	0 1	14.2 8 14.2 8		37 3	3 29 :	15 27 14 27	25 Ok, 550 dBA 25 Ok, 550 dBA		-9	-7 -6	4 3	3	1	4 3	3 5	9 1	14	15	17 18 17 17 18 17	15	15 14 14 13	13	13 1	19 14	12	2 11	5 4 1 5 4 1
09-10-2023 0:45 09-10-2023 1:00	Night	NWL15	SVAN 977 SN:99032 SVAN 977 SN:99032	6.5 54 6.5 56	0 1			35 2 42 2	5 25 5 25	25	23 Ok, 550 dBA 22 Ok, 550 dBA		-10 -14	-9 -11	7 4	-1	-1 0	3 1	2 3 7 4	3	11	13	15 15 14 13 12 12	12 10	11 11 8 8	11	11 1 8 1	14 15 14 15	9 0	0 9 5 7	6 4 1 5 3 1
09-10-2023 1:15 09-10-2023 1:30 09-10-2023 1:45			SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	5.0 58	0 1	13.8 8 13.5 8	14 52 16 36	54 4 38 3	5 30 : 0 25	11 32 19 23	27 Check, above 50 dBA 21 Ok, 550 dBA 25 Check, above 50 dBA	LAmax due to bird	-14 -15	-11 -12	7 4	0	2	7 8	8 7 -2 -1	7 1	11	15	18 21 24 13 14 12	11	23 23 9 8	22 5	19 1 8 1	17 15	12 ·	8 7	5 3 1
09-10-2023 2:00	Night Night	NWL15	SVAN 977 SN:99032	2.2 69 1.4 335			17 53 10 34	36 2	6 27 4 20	17 19 17 19	17 Ok, \$50 dBA	LAmax due to bird	-16	-12 -13	7 0	-2	-4	0 2	5 5	-3	10	9	7 8 7	5	24 23 5 5	21 6	6 1	9 10	7	7 6	5 3 1
09-10-2023 2:15 09-10-2023 2:30 09-10-2023 2:45	Night Night	NAVL 15	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	4.0 219	0 1	10.8 9	H 30	37 2			16 Ok, 550 dBA 17 Ok, 550 dBA 17 Ok, 550 dBA		-17	-14	12 -7	3	-3	0 2	4 3	-1	5	9	7 8 7 8 9 10	12	9 7	6	6 1	10 10	7	7 6	5 3 1
09-10-2023 3:00	Night	NML18	SVAN 977 SN:99032	1.8 146	0 1	10.7 9	19 36	37 3	9 23	8 21 8 22	18 Ok, 550 dBA		-16 -15	-14	4 4	-1	1	3 1	4 4	-1	5	9	9 11 12	11	10 8	7	6	8 9	- 2	7 6	5 3 1
09-10-2023 3:15 09-10-2023 3:30 09-10-2023 3:45	Night Night	NAVE.15	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	1.1 337 1.8 300	0 1	10.1 9	19 35	41 2	5 21	9 20 8 22	20 Ok, 550 dBA 19 Ok, 550 dBA 19 Ok, 550 dBA		-15 -16		11 4	-2	-1	5 3	4 0		6	9	9 9 9	5	5 5	7	7 1	12 5	7	7 6	5 4 1
09-10-2023 4:00 09-10-2023 4:15	Night	NAVL15	SVAN 977 SN:99032 SVAN 977 SN:99032	1.8 305 2.9 170	0	9.9 10 9.4 10		45 3	3 26		22 Ok, 550 dBA 22 Ok, 550 dBA		-15 -14	-13 ·	10 4	-2	1 0	7 4	2 -1	2 3	5	11 12	13 15 15 13 15 17	17	14 11	8	7 1	15 13	7	7 6	5 3 1
09-10-2023 4:30	Night	NWL15	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	2.2 197 2.2 30	0	2.1 10	00 35 00 53	37 2 57 3	5 24 :	10 23	20 Ok. 550 dBA	CArrax due to bird	-15 -15		90 -5 90 -5	-3	-1	3 1	0 1	3		11	11 11 11	9	7 6 17 13	12	7 1	16 17	8 17	7 6	5 3 1
09-10-2023 4-45 09-10-2023 5-00 09-10-2023 5-15 09-10-2023 5-30	Night Night	NWL15 NWL15	SVAN 977 SN:99032 SVAN 977 SN:99032	4.0 67 3.2 68	0	9.3 10 9.8 10 9.3 10	00 59 00 63	G 5	5 50 3	11 28 14 47 19 45	21 Check, above 50 dBA 21 Check, above 50 dBA 29 Check, above 50 dBA	L'Arrax due to bird L'Arrax due to bird	-15 -11	-12 -5	4 4	-1 0	0	3 2	2 2 3 1	3	. 5 10	12	12 14 17 18 25 22	21 22	25 33 29 33	42 38	38 4 37 2	12 39 19 36	35	3 22 1 23	9 4 1
	Night Night	NWL15	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	4.3 63 3.6 35	0 1	10.2 10 10.7 9	00 72 19 80	73 5 82 1	9 48 : 5 55 :	11 47 11 61	37 Check, above 50 dBA 40 Check, above 50 dBA	Cows and pigeon dominant in 630 Hz band - exclude crow calls close to microphone - exclude	-13 -11	-9 -10	6 -1 6 -1	11	3 4	7 5	6 4 7 4	8 1 10 1	15 26	18 23	25 34 31 28 37 35	32 46	39 41 55 56	41 56	33 2 44 2	33 37 59 42	34 45	9 20 2 33	12 5 1 23 10 2
09-10-2023 6:00 09-10-2023 6:15	Night Night			5.4 48 3.2 61			19 54 17 62	88 5	7 61 3 3 44 3	12 63 19 41	40 Check, above 50 dBA 34 Check, above 50 dBA	Nind noise and bird song dominant, LAmax due to bird Nind noise and bird song dominant, LAmax due to bird	-14 -13	-11 -10	4 4	3	7 1	8 7 11 21	5 6 22 14	11 1	27 14	25 17	26 37 36 24 30 29	49 27	22 22	57 35	46 4 31 2	11 42 10 31	45 ·	4 35 2 17	26 13 2 10 4 1
09-10-2023 6:45	Night	NWL15	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	1.8 212 2.2 149	0 1	12.1 9	6 65 6 86	55 5	7 45 3 5 58	11 64	34 Check, above 50 dBA 36 Check, above 50 dBA 47 Check, above 50 dBA	Wind noise and bird song dominant, LAmax due to bird Aircraft - exclude	-12 -6	-2	3 11	16	23 2	7 23	18 18 27 25	13 1 27 3	35	36	22 32 33 37 41 41	50	37 39 59 50	36 57	29 2 45 4	27 29 16 45	47	4 35	10 4 1 27 14 4
09-10-2023 7:00 09-10-2023 7:15 09-10-2023 7:30	Day	NAVL 15	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	2.2 148 2.2 346 4.3 355	0 1	15.7 8	12 66	101 5 65 6 79 6	7 47 0 49	11 47 14 52	47 Check, above 50 dBA	crow calls close to recrophone - eacube Crow calls close to microphone - 5 min excluded Crow calls close to microphone - 2 min excluded	-2	1	2 6	12 14	20 2	5 26 8 22	20 25 26 27	27 3 22 3 25 2	30	33	35 42 42 34 36 39	45 39 40	50 57 35 39 42 49	37	31 2	12 48 50 29 12 32	26	2 15	32 18 6 12 6 2 18 10 4
09-10-2023 7:45 09-10-2023 8:00	Day	NAVE 18	SVAN 977 SN-99032 SVAN 977 SN-99032	65 15			16 61	64 4	9 43 :	15 40 15 58	ž	ophirls applies ide police . 3 min archited	7	9	10 11	13	15 1	16 16	16 16	19 2	23		27 30 30	29	29 31	32	29 2	35 25 35 29	25	3 22	17 11 5 23 15 9
09-10-2023 8:15 09-10-2023 8:30	Day	NWL18	SVAN 977 SN:99032 SVAN 977 SN:99032	8.6 354 10.1 340	0 1		37 64 33 104	105 5	8 50 : 8 55 ·	19 47	39	vehicle pass by - 5 min excluded sircraft and bird sons (Excluded)	12	14	15 15	16	18 1	9 19	20 19	23 2 25 3	29	30	32 34 36 41 47 52	36	39 41 69 73	39 71	34 2	50 29 59 57	29	8 27	23 15 8 43 31 17
09-10-2023 8:45 09-10-2023 9:00	Day	NWL15 NWL15	SVAN 977 SN 99032 SVAN 977 SN 99032	8.6 355 7.2 7	0 1	19.5 5 20.5 5		85 6 66 5	8 51 · 7 46 :	10 56 16 45	45	RTN and crow calls close to mic (excluded) RTN and crow calls close to mic - 4 min excluded	10	10	13 15 12 12	16 14	16 2 15 1	5 22 6 32	25 26 34 29	28 3 33 3	34 34	35 33	35 36 39 33 34 34 32 34 35	43 33	51 50 33 32		41 2 30 2	55 34 27 27	36 26	5 29 5 24	22 15 8 20 13 7
09-10-2023 9:15 09-10-2023 9:30 09-10-2023 9:45	Day		SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	7.6 7 7.2 17	0 2	20.9 4 21.5 4		88 8	7 45 3 5 44	5 45 5 41	37	vehicle pass by - 3 min excluded	11	13	14 15 13 14	16	17 1	9 20 7 17	19 19 16 17 32 27		27 26	29 27	32 34 35 29 30 30 38 35 33	35	37 38 30 30			25 30 27 27	25		21 14 7 21 14 7 20 13 7
09-10-2023 10:00	Day	NWL15	SVAN 977 SN:99032	6.1 21 9.4 341				G :	4 46 :	14 43	40	Localised agricultural noise dominant, wind - exclude Localised agricultural noise dominant, wind - exclude	8	10	14 14	15	24 3 18 2	13 24	15 19	20 2		29 27	33 32 34		34 36	37	33 2	51 30 28 26	28 27		19 12 6
09-10-2023 10:15 09-10-2023 10:30 09-10-2023 10:45	Day		SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	9.4 330 6.8 50 4.0 239	0 2	22.6 3	17 57 14 59	59 5 50 5	2 44 2 43 2 46		36		5	8	9 10 9 10	12	16 1	6 16 5 19	16 16 21 18 15 16		23	24	26 29 30 27 29 31 26 29 30	33	30 35 32 31 43 44	33	32 2	28 27 27 25 51 30	25	3 22 4 23 7 24	18 11 5 18 12 6 18 12 6
09-10-2023 11:00 09-10-2023 11:15	Day	NML18	SVAN 977 SN 99032 SVAN 977 SN 99032	6.1 116 5.8 105	0 2	24.3 3	12 60	51 5	5 44	12 42	25	Wind, crow calls, RTN - 2 min excluded Wind, crow calls, RTN - 1 min excluded	10	11	12 13	14	17 2	3 24	17 21	21 2	24	25	28 30 33	33	22 23	32	34 2	29 25	27	4 23	19 12 6
09-10-2023 11:30 09-10-2023 11:45	Day	NML18	SVAN 977 SN-99032 SVAN 977 SN-99032	7.2 154 10.1 168	0 2	24.8 3 23.8 3		73 5	2 44		35	Wind, crow calls, RTN - 2 min excluded	8	10	10 11 6 9	12	13 1	7 17	17 20 15 29	19 1	21	24 25	26 27 29 29 32 34	29	30 35	31	30 2	27 24	23	2 20	16 10 5 16 10 5
09-10-2023 12:00	Day	NML18 NML18	SVAN 977 SN-99032 SVAN 977 SN-99032	6.1 255 8.3 169	0 2	23.7 3 24 2	0 71 19 61	72 S	E 44 :	10 47 10 43	25 25	Wind, crow calls, RTN - 2 min excluded	5	9	9 11	17	32 3 17 1	0 26 5 16		30 3 21 2	36 29	35	38 40 40 31 30 30	37	34 34	31 32 36	30 2	27 24 12 25	23 25		17 10 6 17 10 5
09-10-2023 12:30	Day		SVAN 977 SN 99032 SVAN 977 SN 99032	5.4 252 6.5 30	0 2	24.8 2	14 E3	23 S	7 42 : 2 42 :	17 43 19 41	31 32	Wind, crow calls, RTN - 1 min excluded	1 6	4 7	5 9	28	25 2 10 1	2 24 0 13	21 21 15 13	18 2 15 1	24 19	27	30 31 33 24 26 27	35 28	z z	33	29 2 27 2	25 25 25	23 :	1 15	12 6 3 13 7 4
09-10-2023 12:45 09-10-2023 13:00 09-10-2023 13:15	Day		SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	7.9 134 8.6 185	0 2			54 S	4 41 7 7 40	18 41 15 42	32		1 4	3	7 8	5	11 1	8 9 4 13	10 11 14 15	13 1 15 1	19	21 21	23 26 28 24 27 30	28 30	25 22	34 35	32 2 28 2	35 32 34 23	25 22	9 15	12 6 3 13 8 4
09-10-2023 13:30 09-10-2023 13:45	Day	NML15 NML15	SVAN 977 SN-99032 SVAN 977 SN-99032	5.6 173 5.0 217	0 2	25.2 2 25.3 2	5 51 5 61	22 4	2 34 4 41	15 32 10 41	27 34		-2	1	1 2	2	5 9 1	7 8 6 14	7 8 13 16	10 1 16 1	14 21	16 23	18 20 21 25 28 31	20 31	20 22 31 34	22 32	23 2 26 2	23 21 24 33	20 29	5 14 1 19	11 7 4 14 8 4
09-10-2023 14:00 09-10-2023 14:15 09-10-2023 14:30	Day	NML18 NML18	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	5.8 187	0 2 0 2 0 2	25.1 2 25.1 2	5 58 5 80	81 7	5 37 : 0 47 :	7 35 6 55	25	Aircraft passiby - 3 min excluded	-2 15	3 24	11 19	29	22 2	1 9	8 12 34 39	11 1 40 4	16 42	47	19 21 22 47 49 47	44	25 29 43 41	37	32 2	27 23	21 25	5 14 0 15	11 6 3 10 6 4
09-10-2023 14:45	Day	NML16	SVAN 977 SN:99032	9.4 227	0 2	26.7 2	14 54	66 :	4 43	15 41	72		4	7	18 9	11	17 1	4 14	15 16	16 1	22	24	25 28 31	33	34 34	32	27 2	5 25	28	9 18	15 9 5
09-10-2023 15:00 09-10-2023 15:15 09-10-2023 15:30	Day	NML15 NML15	SVAN 977 SN-99032 SVAN 977 SN-99032 SVAN 977 SN-99032	10.4 241 7.6 241 9.7 194	0 2	25.8 2 26.8 2	2 64	63 5	3 42 5 45 2 45	7 40 13 45 13 47	42	Localised agricultural noise dominant - exclude	1	3	8 12	19	30 2	12 19	21 18 26 17	19 1 19 2	23	25	16 20 20 38 30 31 40 33 34	33	25 22	33	38 2	35 34 27 35	35	5 22 0 16	15 8 4
09-10-2023 15:45 09-10-2023 16:00	Day	NML18 NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	9.0 196 6.1 230	0 2	26.6 Z	2 59	61 4	9 45		34		-12	-4	3 13	7 8	14 1	7 14	12 13 12 15	14 1 15 1	20	19 21		26	27 30	33	27 2	23 36	36	7 15	13 5 3 16 8 4
09-10-2023 16:15 09-10-2023 16:30 09-10-2023 16:45	Day		SVAN 977 SN 99032 SVAN 977 SN 99032 SVAN 977 SN 99032	4.7 211 4.0 150	0 2	26.3 2 26.3 2		61 5 63	7 45 3	5 45 5 42 5 46	32		-9	-6 -3	-3 1 -1 3	6	12 1	7 14 8 11	16 18 12 12	17 1 12 1 20 2	19 15	22 18	26 30 32 22 28 29	33	30 35		29 2 31 2	27 37 28 37	36 32	7 16 1 17	13 5 2 12 6 2 13 6 2
09-10-2023 17:00	Day Day	NML15	SVAN 977 SN:99032	4.0 24 4.0 220	0 2	26.3 2	3 62	64 5	3 45 :	15 43	34	Localised agricultural noise - 2 min excluded Localised agricultural noise - 3 min excluded	-1	3	8 10 -1 2	13	23 2 5 1	1 23	24 23 13 14		29 19	35 22	35 36 38 27 34 34	35 32	35 35 32 31	33 32	29 2 26 2	35 35 35 35	34 34	3 15	13 6 2
09-10-2023 17:15 09-10-2023 17:30	Day	NML15	SVAN 977 SN-99032 SVAN 977 SN-99032	9.0 167 7.2 165			5 60 5 52	22 4	1 46 . 9 46 .	17 43 17 43	36 29	,ocsitsed agricultural noise - exclude	-7	-5	3 1	8	3 11	9 5	5 5	8 1	13	15	24 35 30 19 25 23	23	31 32 20 20	32 22	24 2 21 2	11 40 14 42	34 34	5 19 7 19	13 6 2 12 6 2
09-10-2023 17:45	Day	NML18	SVAN 977 SN 99032 SVAN 977 SN 99032	7.2 129 5.4 131	0 2	24.9 2 24.1 2	77 66 8 70	57 S	7 46 : 5 44 :	14 45 13 44	32 28	Aircraft passby - 1 min excluded RTN - 2 min excluded	-0	-4	1 6	16	13 2	9 8	20 18 5 5	28 1 8 1	23 14	23 16	27 31 33 19 20 21	34 27	34 34 29 26	34 25	32 2 30 2	13 40 14 42	35 3		14 7 2 16 8 2
09-10-2023 18:15 09-10-2023 18:30	Evening		SVAN 977 SN-99032 SVAN 977 SN-99032	4.0 133 3.2 109	0 2	225 3		61 5	5 45		30	RTN - 2 min excluded	-12 -9		3 5	9	12 1	5 14	19 18 18 16		19		30 32 35 26 30 34	33	31 29	25		15 42 14 44	32		10 5 2 13 6 2
09-10-2023 18:45 09-10-2023 19:00	Evening	NML15 NML15	SVAN 977 SN-99032 SVAN 977 SN-99032 SVAN 977 SN-99032	3.6 116 2.2 89 4.7 27	0 2	21.9 3	11 80 12 67	81 7 70 5	5 53 :	11 60 10 52 19 52	29	Localised agricultural noise dominant >5mins (Exclude) localised agricultural noise - 3 min excluded	15 -6	2	1 8	32 13	13 1	4 36 2 11	43 37 13 12 5 6	46 4 11 1	49 17	22	50 50 48 23 26 31 18 19 32	47 28	46 45 29 27 28 25	43 24	43 5	52 44 50 43 51 41	23 21	4 22 2 20	18 6 2 15 6 2 14 6 3
09-10-2023 19:30	Evening	NML18	SVAN 977 SN:99002	5.8 27 5.6 19			8 60 D 54	73 5 61 5 55 5	5 53 -	4 49	30	Vehicle passby - 3 min excluded RTN - 4 min excluded	-3	- 6	2 5	16	14 2	1 17	18 22	18 2	23	24	26 29 32	32	29 25	23	44 4	16 41	21 2	1 20	13 7 3 12 7 3
09-10-2023 19:45 09-10-2023 20:00 09-10-2023 20:15			SVAN 977 SN-99032 SVAN 977 SN-99032 SVAN 977 SN-99032	7.2 21 5.3 24	0 2	20.2 4	17 48 11 46	50 4 47 4	5 44 5 43	19 42 16 41	30	Aircraft passby - 3 min excluded RTN	- 6	-3	4 3	5 16	3 1	8 8		13 1 15 1	15	20 21	22 23 23 22 23 23 21 21 20	22	20 19 20 19 17 16	18	38 3	15 37 15 33	21	8 19 6 15	12 / 3 13 7 3 10 5 2
09-10-2023 20:30	Évenina	NML15	SVAN 977 SN 99032 SVAN 977 SN 99032	7.9 29 6.5 56	0 1	19.6	13 45 25 46	46 4 47 4	4 42 4 42	17 40 17 40	22	RTN RTN	- 4	0 2	2 7	10	12 1	5 10	11 13 10 14	17 2 17 2	22 22	23 23	25 25 25 24 25 25	25	23 22	22	36 3	12 32 18 33	21 :	9 19	15 8 3 14 8 3
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End Time	Time Perio	d Location	Logger	Moe Weat	her Data		Raw 15-minute	Statistical Da	ta .	Logsum LAeq15mi	n to Lmax Requires Further		Raw LAss 15m	nin 1/3 Soe	drum										
				Wind Spee	d Wind Rainfall Te	mp Humidity C) (%)	LAmax LAim	mx LA1	LA10 LA90	LAng LAng SS30 Hz (incl +2.3 dB	Review		20Hz 25H	fz 31.52	tz 40Hz 50Hz 63H	z 80Hz	100Hz 125Hz 160Hz 200Hz	250Hz 315Hz	400Hz 500Hz	530Hz 50	1Hz 1HHz 1.25kHz	1.6kHz 2kHz 2.5kHz	3.15kHz 4kHz 5kHz 6	3kHz 5kHz	10kHz 12.5kHz 16kHz
				(kmhr)	Direction (mm) (of	C) (%)				(incl +2.3 dB															
										correction)	2.5	Comments (deminant/solomostic comme)													
09-10-2023 21:00	Evening	NML18	SVAN 977 SN:99032	6.	1 132 0	18.5 57	50	53 45	42 35	40	23	RTN	- 3	5	5 8 11	12 16	14 12 15 17	20 22	23 24	25	25 25 24	23 22 30	26 32 20	19 1	18 13 7 3
09-10-2023 21:15 09-10-2023 21:30 09-10-2023 21:45	Evening	NWL15	SVAN 977 SN:99032 SVAN 977 SN:99032 SVAN 977 SN:99032	7.	6 52 0	18.6 57	65	5\$ 42	41 34	36	30		-7	-6	4 1 4	9 12	8 7 10 15	18 19	21 20	22	25 21 20	19 21 35	27 31 17	14 1	14 9 5 2
09-10-2023 21:30	Evening	NML15	SVAN 977 SN:99032	4	3 101 0	18.2 58 17.8 60	67	71 42	40 33	36	30	Vehicle passby - 1 min excluded	- 4	-2	0 3 4	6 9	8 8 9 13	16 19	24 21	24	30 24 22	21 22 33	27 29 18	16 1	6 11 6 2
09-10-2023 22:00	Evening	NAME 15	SVAN 977 SN:99032	5	4 90 0	17.5 61	43	45 43	40 33	37	30 30	RTN - 5 min excluded Vehicle passby - 3 min excluded	- 3	-4	1 4 6	8 50	9 9 10 15	18 20	21 2	23	24 21 21	20 23 3	25 29 19	17 1	7 12 6 2
09-10-2023 22:15	Night		SVAN 977 SN:99032	6.	5 73 0	17.7 59	63	54 54	41 32	41	30 Check, above 50 dBA	Aircraft passby, LAmax due to insect noise - 2 min excluded	-5	4	-1 2 7	9 20	30 14 19 25	20 23	24 27	29	33 33 31	30 28 33	25 27 19	17 1	17 12 6 2
09-10-2023 22:30	Night	NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	4.	7 67 0	17.5 60	43	44 41	39 30	35	25 Ok, 550 dBA 25 Ok, 550 dBA		-5	ě	4 1 4	5 8	7 8 8 12	14 16	17 11	20	20 19 13	16 27 31	24 27 15	15 1	14 10 5 2
09-10-2023 22-30 09-10-2023 22-45 09-10-2023 23-00	Night	NML18	SVAN 977 SN:99032	4.	3 75 0	17.6 59 17.5 58	41	41 39	34 29	32	25 Ok, 550 dBA		-6	4	3 2 4	4 5	6 6 7 12	12 14	15 16	16	16 14 12	13 23 26	21 26 13	13 1	2 8 4 1
09-10-2023 23:00	Negre	NAME OF	SVAN 977 SN:99032	- 2	3 53 0	17.5 50	10	50 36	39 25	30	22 Ok, 950 dBA		-11	-9	7 -1 -3	4 3	3 3 4 9	8 10	12 12	1.3	12 10 10	9 24 24	21 25 12	12 1	1 0 3 4
09-10-2023 23:11	Night	NML15	SVAN 977 SN:99032 SVAN 977 SN:99032	5.	0 32 0	17.6 55 17.6 54	42	43 36	32 23	29	20 Ok, s50 dBA 23 Ok, s50 dBA		-14	-11 -	10 0 1	3 7	3 2 4 8	9 11	13 13	16	17 17 15	11 23 10	20 23 9	9	8 6 3 1
09-10-2023 23:45	Night	NML18	SVAN 977 SN:99032	7.	6 26 0	17.8 53 17.9 53	37	39 34 39 31 37 31	30 25	29	21 Ok; 550 dBA		-15	-12 -	11 -2 1	-1 3	1 0 1 5	8 10	12 13	12	12 10 5	9 20 13 9 5 10	21 25 50 20 23 9 19 24 9	10	9 6 6 2 8 6 3 1
10-10-2023 0:00	Night	NML15	SVAN 977 SN:99032 SVAN 977 SN:99032	6.	8 41 0	17.8 53 17.9 53 17.8 54	38	39 31	28 23	26	20 Ok, s50 dBA 21 Ok, s50 dBA		-14	-11 -	10 -2 1	-1 3	0 0 0 2	5 7	11 12	11	12 11 8	9 8 10	20 23 9	9	8 6 3 1
10-10-2023 0:30	Night	NAVL 18	SVAN 977 SN:99032 SVAN 977 SN:99032	8.	3 34 0	17.8 54	35	37 31	28 24	27	21 Ok, 550 dBA 19 Ok, 550 dBA		-16	-13 -	11 -2 0	-2 3	1 -1 0 4	6 8	12 12	13	14 13 11	9 8 10	19 24 9	8	8 5 3 1
10-10-2023 0:45	Mahi	NAME OF	SVAN 977 SN:99032		1 41 0	17.7 57 17.5 58 17.4 59	37	35 31	27 19	25	18 Ok 950 dBA		-16	-13	12 -2 0	.2 2	1 2 2 6	3 5	50 5	- 11	12 11 2	7 7 1	17 21 8	8	7 7 1 1
				5.	0 42 0	17.4 59	50	51 45	30 20	32	18 Ok, s50 dBA 27 Ok, s50 dBA		-16	-12	-9 3 7	4 6	7 8 8 7	8 11	16 10	22	24 25 2	23 21 18	17 16 11	3	7 5 3 1
10-10-2023 1:15	Night	NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	4.	3 42 0	17.2 58 17.1 56	64	54 55	34 19	41	25 Check, above 50 dBA	Vehicle noise - 2 min excluded	-13	ė	-1 4 7	17 15	20 25 20 20 20 23 22 21	24 27	27 33	23	33 34 31	30 28 25 33 31 23	21 19 15 24 22 18	13 1	10 6 4 1 12 8 5 1
10-10-2023 1:30	Night	NML15	SVAN 977 SN:99032 SVAN 977 SN:99032	5.	4 33 0	17.1 55	53	57 58	38 19	44	27 Check, above 50 dBA	Aircraft passby - 2 min excluded	-13	-6	-1 6 11	13 24	20 23 22 21	24 31	31 34	36	36 36 30	33 31 27	24 22 18 16 20 8	16 1	2 5 5 1
10-10-2023 1:45	Nogre	NAME 18	SVAN 977 SN:99UUZ RUBN 977 RN-99017	5			10	49 37	30 20	27	25 Ok, 950 dBA		-12	-10	4 3 2	5 5	4 5 5 8	11 13	12 13	18	19 10 14	13 10 3	16 20 8	7	4 3 3 1
10-10-2023 2:15		NML15	SVAN 977 SN:99032	6.	1 9 0	16.8 57 16.6 61	36	36 23	21 15	20			-15	-12 -	11 -2 2	1 2	2 -2 -2 1	3 4	8 7	8	10 5 5	6 5 6	10 12 7	7	6 5 3 1
10-10-2023 2:30	Night	NML15	SVAN 977 SN:99032	4.	3 39 0	15.6 61	23	37 25	21 15	20	17 Ok, 550 dBA 18 Ok, 550 dBA		-14	-11	4 3 1	1 4	1 -1 1 2	4	9	a	3 6 6	5 5	10 11 7	7	6 5 3 1
10-10-2023 2:45		NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	4.	7 47 0	16.5 63 16.4 64	46	47 41	31 15	29	28 Ok, 550 dBA 17 Ok, 550 dBA		-16	-12	4 3 2	4 5	2 7 11 10	16 12	17 15	21	22 21 19	14 10 7	9 9 7	7	6 6 4 1 6 5 3 1
10-10-2023 3:00	Negre	NAME OF	PUBLISH STERNINGS	- 2	9 40 0	16.2 65	29	32 23	20 18	19	17 UK, 500 dBA		-16	-12 -	11 -4 1	1 4	2 0 -1 0	4 3	9 0	- 13	7 3 5	7 6 6	9 8 7	- 4	6 5 3 1
10-10-2023 3:15	Night	NML15	SVAN 977 SN:99032 SVAN 977 SN:99032	3.	2 87 0	15.9 65	35	40 22	20 15	19	19 Ok, 550 dBA 17 Ok, 550 dBA		-17	-13 -	12 -4 0	0 2	1 -1 -1 0	1 3	9 6	10	5 4 5	6 6 6	8 9 7	7	6 6 3 1
10-10-2023 3:45	Night	NML15	SVAN 977 SN:99032	4.	3 81 0	15.5 66	45	49 33	25 19	23	19 Ck, 550 dBA		-14	-10	-1 -1 2	3 5	5 1 -1 0	4	10 5	11	12 14 13	8 6 6	17 15 7	7	6 13 9 1
10-10-2023 4:00	Night	NML15	SVAN 977 SN:99032 SVAN 977 SN:99032	5.	4 41 0	15.7 66 15.6 67	61	62 52	31 15	38	21 Check, above 50 dBA 25 Ok. 550 dBA	Vehicle passby, LAmex due to bird - 2 min excluded	-15	-10	-7 -1 3	5 9	10 12 10 8	12 16	23 20	29 20	33 32 21	25 22 18 14 10 1	16 14 11	9	7 5 3 1 6 5 3 1
10-10-2023 4:31	negre	NAME OF	SVAN 977 SN:99032	- 2	3 500 0	15.0 67		50 41	29 19	20	29 Check, above 50 dBA	LAmax due to bird	-15	-10	7 1 1	2 3	2 3 1 3	6 9	13 13	20	23 23 10		0 9 7	- /	0 0 0
10-10-2023 4:45	Note	NML15	SVAN 977 SN:99032	4.	.0 150 0	15.4 69 14.8 73	64	65 56	40 20	42	Check, above 50 dBA	Vehicle passby, LAmax due to bird - 5 min excluded	-6	-6	-1 3 8	12 12	12 12 12 13	15 19	24 21	24 32	26 26 21 36 36 34	16 12 8 30 26 23	8 9 8 20 18 15 41 36 34	11	8 5 3 1
10-10-2023 4:45	Night	NML15	SVAN 977 SN:99032 SVAN 977 SN:99032	2.			57	50 54	49 33	45	27 Check, above 50 dBA 27 Check, above 50 dBA	LAmax due to bird	-14	-11	-8 -2 2	2 7	4 3 3 5	8 11	15 11	23	25 24 28	30 37 37	41 36 34	33 2	21 7 4 1
10-10-2023 5:15	Night	NML18	SVAN 977 SN:99032	2	9 114 0	13.6 79 13.2 81	80	81 64	54 35	54	32 Check, above 50 dBA	RTN dominant, LAmax due to bird - 4 min excluded RTN dominant, LAmax due to bird - 1 min excluded	-14	-9	4 1 5	10 13	14 13 12 12	16 19	24 30	34	38 41 49	45 46 33	42 44 39	35 2	29 22 10 2 24 12 5 1
10-10-2023 5:30	Noht	NML15	SVAN 977 SN:99032 SVAN 977 SN:99032	1 1			65	76 68	52 31 47 33	44	31 Check, above 50 dBA 33 Check, above 50 dBA	RTN dominant, LAmex due to bird - 1 min excluded	-14	-6	2 4 7	9 5	9 8 8 12	11 16	20 24	29	31 32 9	40 4/ 30 39 37 1	37 36 37	22 1	
10-10-2023 6:00	Night	NWL18	SVAN 977 SN:99032 SVAN 977 SN:99032	2	2 55 0	13.8 79	52	72 55	46 34	46	36 Check, above 50 dBA	RTN dominant, LAmex due to bird - exclude	-12	-5	3 3 11	11 12 14 16	15 24 23 17	21 21	24 25	33	33 31 34	40 36 33	30 40 34	23 2	24 15 6 1
10-10-2023 6:15	Night	NML18	SVAN 977 SN:99032	- 4	0 37 0	13.7 80	76	78 72	57 35	58	35 Check, above 50 dBA	RTN dominant, LAmex due to bird - exclude	-9	-5	2 4 8	14 15	15 24 23 17 15 12 15 15	17 21	23 27	33 34 34	35 43 52	39 37 32 40 36 32 55 52 43 53 51 51	30 40 34 41 39 40 43 42 41	40 2	32 22 8 2
10-10-2023 6:30	reght	NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	3	0 00 0	13.5 82	85	87 72	54 36	58	38 Check, above 50 dBA 41 Check, above 50 dBA	K I N dominant, LAmex due to bird - exclude	-11	-6	4 3 7	5 11	9 9 12 12	18 22	25 25	34	30 44 5	53 51 51	43 42 41	34 2	31 18 8 2 27 16 6 2
10-10-2023 6:45			SVAN 977 SN:99032 SVAN 977 SN:99032	2 0	7 117 6	14.1 83 14.7 81		82 66	49 33	34	41 Check, above 50 dBA 37 Check, above 50 dBA	RTN dominant, LAmax due to bird - exclude	-11	-7	2 3 10	5 11	12 15 18 14	18 22	25 25	33	31 34 44	47 48 49 45 43 46	40 30 37 38 52 44	33 3	27 16 6 2 31 26 19 8
10-10-2023 7:15	Day	NML15	SVAN 977 SN:99032	3.	6 164 0	15.4 79	62	65 61	51 34	48	×	Vehicle passby - 3 min excluded	-9	-4	1 4 12	19 23	26 29 26 19	22 23	25 27	33	34 33 34	37 35 38	42 43 38	31 2	28 19 9 2
10-10-2023 7:30	Owy		SVAN 977 SN:99032				67		46 30	46	32	Vehicle passby - 1 min excluded	-6	-1		12 27			31 21	23	34 37 36	40 38 33	32 32 29	22 1	17 12 5 1
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10-10-2023 8:15	Day		SVAN 977 SN:99032	- 2	9 4 0	19.3 60	54	55 55	46 25	44	75		-11	-5	2 1 7	11 10	16 19 19 16	16 18	21 24	30	32 32 39	37 38 34	32 34 29	25 1	19 12 5 2
10-10-2023 8:30	Day	NML15	SVAN 977 SN:99032	4.	0 171 0	20.2 53		65 55	46 29	43	32		-9	-5	-1 2 6	10 14	15 19 17 14	15 17	18 22		25 25 34	35 36 32	31 34 32	23 1	17 12 5 2
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10-10-2023 9:00	Oay	NML18	SVAN 977 SN:99032	3.	6 218 0	21.3 47	65	55 55	42 27	42	23		-12	-7	5 -2 2	5 9	5 3 3 5	7 8	11 14	17	20 24 33 29 29 31		26 29 28	20 1	5 9 5 2
10-10-2023 9/15	Owy	NAME OF	SVAN 977 SN:99032	- 1		21.8 43	62	50 50	49 25	40	20	Aircraft passby - 3 min excluded	-13	-0	4 -1 -0	10 13	27 20 23 24	12 15	10 2	27	29 30 33	39 37 40 41 39 40	38 32 30 38 32 30	21 1	19 12 6 2
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10-10-2023 10:00	Ony	NWL15	SVAN 977 SN:99032	5.	4 233 0	23.2 38	61	53 54	42 25	41	26		-5	-3	-1 3 9	10 8	10 18 10 10	18 14	16 16	18	18 18 20	24 25 32 29 32 21	37 34 34	19 1	16 12 7 3 13 10 6 3
10-10-2023 10:15		NML15	SVAN 977 SN:99032 SVAN 977 SN:99032	4	3 340 0	23.8 36 24.5 34	57	59 49	41 25	37	29		-8	-4	-1 3 9	11 11	13 13 14 12 16 12 15 13	14 15	16 13 16 17	21	24 24 20	29 32 21	27 27 28	16 1	13 10 6 3 19 13 7 4
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10-10-2023 11:15	Day	NML15	SVAN 977 SN:99032	6.	.1 49 0		76	59 45 76 69	38 24 49 28	54	31	Aircraft passby - 2 min excluded	10	16	9 14 27	22 34	34 34 35 41	43 42	11 12 44 45	45	46 44 40	42 39 34	30 24 25	21 1	16 9 5 3
10-10-2023 11:30	Oay		SVAN 977 SN:99032	5.	1 252 0	25.4 32		55 54	41 25	41	31		-9	-3	2 4 7	15 11	12 14 13 14	14 16	19 21	24	27 27 34	35 35 31	25 30 25	21 1	4 9 5 2
10-10-2023 11:45	Day	NAUL 18	SVAN 977 SN:99032 SVAN 977 SN:99032	- 6. 7	5 237 0	24.6 34 25.3 32	50	62 51 61 45	37 25	38	31		-10	-4	4 3 4	13 19	20 12 21 21 18 14 16 17	15 14	15 17	19	20 20 24	35 35 31 29 34 24 28 32 31		15 1	11 12 10 3 12 9 5 2
10-10-2023 12:15	Day	NWL15	SVAN 977 SN:99032	2	0 259 0	25.5 32	62	53 49	37 25	38	32		-13	-10	4 -1 1	6 9	10 11 11 11	13 15	18 24	28	31 31 2	31 25 25	23 20 21	21 1	
10-10-2023 12:30	Day	NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	6.	5 267 0 6 210 0	26 31 26.6 29	55 59	57 59 52 45	41 25 33 24	45	25	Vehicle passiby - 2 min excluded	-12	-2	1 4 7	14 27	23 19 20 18 6 11 3 6	19 25	35 25 13 15	31	33 34 30 19 18 22	31 28 25 39 37 30 22 25 26	25 25 24	20 1 15 1	11 7 4 2 13 5 4 2 12 9 5 2
10-10-2023 12:45	Oay	NML18	SVAN 977 SN:99032	7.	6 210 0	25.6 29	59	62 45 60 52	33 24	34	24		-11	-9	4 4 1	0 2	6 11 3 6 18 30 23 21	9 10	13 15	18	19 18 22	22 25 26	28 25 20	15 1	.2 9 5 2
10-10-2023 13:00 10-10-2023 13:15 10-10-2023 13:30	Otay	NAVL 18	SVAN 977 SN:99032 SVAN 977 SN:99032	5.	0 290 0			60 52	39 24	39	29	Aircraft passiby - 1 min excluded	-12	-6	3 3 1	2 6	18 30 23 21	30 25	29 28	25		25 29 21	25 28 23 29 28 24	16 1	12 9 5 2
10-10-2023 13:15	Day	NMI 18	SUAN 977 SN-99037	5.	8 319 0	27 25	56	61 50	37 26	37	20		-13	-0	A 6 9	10 8	10 11 12 10	10 13	15 10 56 20	23	24 24 25	29 28 28	29 20 24	18 1	12 8 5 2 15 10 7 3
10-10-2023 13:45	Oay	NML15	SVAN 977 SN 99032 SVAN 977 SN 99032	6.	5 233 0	26.9 26 27.3 26	58	59 51	43 30	40	36	Aircraft passby - 1 min excluded	-6	-2	3 6 9	12 12	15 14 15 19	18 23	27 30	32	33 32 31	28 26 27	22 21 19 22 21 22	15 1	12 13 12 5
10-10-2023 14:00	Ony	NML18	SVAN 977 SN:99032	5.	5 135 0	27.3 26	59	63 47	37 24	36	27		-2	0	0 2 4	6 6	7 7 7 9	11 14	16 11	21	21 21 22	28 30 30	22 21 22	21 1	16 10 6 3 16 11 6 3
10-10-2023 14:15	Otry	NAVE 18	SVAN 977 SN-99032	2.	4 225 0	27.7 25	50	61 52	42 31	40	34	Aircraft passaby - 5 min excluded	- 0	2	3 5 9	11 11	15 17 20 15	17 22	23 25	28	30 31 32	32 31 25	26 25 27	24 1	8 11 6 3
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10-10-2023 15:15	Oay	NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	10.	1 133 0	27.2 25	61	EZ 53	37 29	39	35		-8	-5	-1 3 8	12 13	14 17 16 17	17 19	23 20	30	33 34 31	25 25 23	21 23 21	12 1	.1 10 10 5
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10-10-2023 15:45	Day	NML15	SVAN 977 SN:99032 SVAN 977 SN:99032	- 6	1 97 0	27.8 25 27.6 25	55	59 49	44 30 44 33	43	36		-14	-5	4 0 3	13 6	9 3 7 8	10 15	17 24	23	33 29 25 30 28 34	27 30 23 34 36 23	25 35 33	19 1	15 11 5 3
10-10-2023 16:15	Day	NML18	SVAN 977 SN:99032	6	1 127 0	27.4 25	75	80 67	52 35	53	36		-11	-4	4 -1 2	5 8	19 16 11 11	13 19	21 24	32	32 35 40	45 47 35	33 37 36	29 2	A 16 7 3
10-10-2023 16:30	Ony	NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	4	0 104 0 8 141 0	27.1 25	81	82 67 62 46	43 29	53	35	-	- 5	4	-1 15 17	17 16	14 14 17 16	17 20	21 24	30 28	32 36 41 27 21 25	45 45 41 30 28 24	34 32 34	34 2	27 19 10 4 14 11 5 4
10-10-2023 17:00	Day	NWL15	SVAN 977 SN:99032 SVAN 977 SN:99032	- 5	2 130 0	27.4 24	69		41 32	44	25	Vehicle Passity - 1 min excluded	-12	-6	2 10 16	22 17	23 18 15 14	10 17	23 29	23	35 35 7	30 20 24	20 33 31	16 1	5 12 5 1
10-10-2023 17:15	Day	NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	1	2 120 0	27.4 24 27.3 24 26.7 24	59 54 58	72 55 56 49 61 50	47 34	43	41	bird song dominant - exclude	-13	-5	4 12 16	16 13	23 18 15 15 18 11 7 6	10 12	23 21 16 21 11 18	33 38 27	35 35 33 33 34 27 24 19 23	31 36 25 21 20 20 25 32 31	22 36 34	15 1	15 12 5 3 16 12 5 2 18 12 5 2
10-10-2023 17:30	Owy	NML15	SVAN 977 SN-99032	- 2	2 36 0	26.7 24	58	55 49 51 50	43 34	41	30		-15	-11	-7 -1 0	5 4	1 0 0 2	5 9	16 21 11 18	27	24 19 22	25 32 31	26 37 34	16 1 15 1 15 1 41 2	.6 12 5 2
10-10-2023 17:45	Owy	NML15	SVAN 977 SN:99032 SVAN 977 SN:99032	1	8 183 0 4 29 0	26.1 26 25.2 27	87	89 62 89 63	45 36	59	30	Crow near microphone - 1 min excluded	-13	-5	4 4 2	1 0	0 0 0 2	8 17	17 22	25	33 42 54 24 26 23	54 51 40 29 29 23	44 42 46 29 42 36	41 2	39 32 19 7 21 14 8 3
10-10-2023 18:15	Évening	NML15	SVAN 977 SN-99032	, ,	3 72 a	24.5 28	76	78 50	46 47	50	41	Vehicle Passbys Dominate - exclude	-12	-6	2 2 11	14 18	24 23 19 tal	21 25	25 33	35	37 37 41	43 43 31	29 42 35	22 3	22 14 8 3
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10-10-2023 18:45	Evening	NML18	SVAN 977 SN-99032	4	5 69 0	21.1 32	71	74 54	52 49	51	30	Vehicle Passbys - 3 min excluded	-12	-5	1 3 10	14 14	23 21 22 15 13 15 15 11	15 19	24 25	28	35 30 25	26 22 31	48 47 34	21 2	3 15 8 2
10-10-2023 19:00	Evening	NML18	SVAN 977 SN-99032	10	1 48 0	213 35	55	57 55	53 50	52	24		-14	-10	3 -1 2	9 4	2 1 0 1	4 10	14 15	17	19 18 14	20 14 42	49 48 33 50 46 31	22 2	23 17 8 3
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10-10-2023 19:45	Evening	NML15	SVAN 977 SN-99032		3 64 0	21.2 52 20.8 55	58	60 55	52 49	51	24	Vehicle Passby - 2 min excluded	-11	-5	3 2 5	8 11	12 14 14 14	14 15	21 24	28	32 31 28 27 27 29	25 22 42	49 44 28	22 2	22 14 7 4 20 14 6 3
10-10-2023 20:00		NML15	SVAN 977 SN-99032	10			55	55 53	51 46	49	25		-10	2	4 1 11	7 12	10 9 9 9	10 13	17 10	23	27 27 24	21 15 44	46 42 26	19 2	0 14 6 3
10-10-2023 20:15	Evening	NML18	SVAN 977 SN 99032	9		20.1 59 19.9 62	65	54	52 46	50	30	Vehicle Passbys - 5 min excluded Aircraft Passby - 2 min excluded	1 2	2	u 8 19	15 20	18 16 19 21 32 32 43 46	22 22	24 23 52 51	27	33 31 27 52 50 40	25 20 43 45 43 43	48 42 25	20 2	# 17 5 2
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11-10-2023 2:15	Night	NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	1		14 54			34 30	33	25 Ok, 950 dBA		-17	-13 -	11 0 4	1 7	1 3 7 13	9 8	11 11	20	13 20 19	12 8 18	26 30 12	9 1	10 6 3 1
11-10-2023 2:30	Note			1 1	2 226 0 4 198 0	13.2 89	42	35 34 45 33 36 34	32 28	30	21 Ok, 550 dBA 22 Ok, 550 dBA		-17	-11	4 2 7	3 10	4 6 8 11	9 0	11 10	12	13 10 3	6 6 2	29 29 9	8	8 5 3
11-10-2023 2:45	Night	NML18	SVAN 977 SN:99032 SVAN 977 SN:99032	2	2 98 0	13.2 89 13.4 91	36	33 34	33 27	31	22 Ok, 550 dBA 23 Ok, 550 dBA		-17	-13	4 1 8	1 3	3 5 8 16	11 9	11 5	10	11 5 5	6 7 2	25 28 11	11 1	.0 6 4 1
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	End Time	Time Period 1	Location I		Mine Weather Data			-		rinute Statis	died Date	$\overline{}$	$\overline{}$	Logsum LAeq15mi	to Lmax Requires Further		Many Liter	10-1-10	Spectrum																		
The content of the	LIG IIII	THE PERCO	Location	Logge	Wind Speed Wind	Rainfall	il Temp					0 LAGO	LAsq	LAso SS30 Hz						50Hz 63	Hz 80Hz	100Hz	125Hz 160	Hz 200Hz	250Hz 315H	z 400Hz 500	Hz 630	OHz 800Hz	1kHz	1.25kHz 1.	SkHz 2ki	Hz 2.5kHz	3.15kHz 4kHz	SMHz 6.	3kHz škH	10kHz	12.5kHz 16kHz
Manual					(km/hr) Directio	in (mm)	(oC)	(%)																													1
Column C														cornection)	23	Comments (dominant/notesanthy sources)																					1
Column C					3.2	55 1			36	32	34			0						7	1 :	3 3	4	6 12	9	7 8	8	9 11	- 5	8	2	9 16	24 28	12	13	12 5	4 :
Column C					32	55			45	46	44			3						7	3 .	9 4	5	7 12	8	8 10	9	10 11	6	6	5	7 16	26 31	14	12	13 6	4 -
Column C					40	56			42	42	10			3						10	-3	0 0	-3	-4 -2	- 4	4 5	9	14 15	12	17	13	9 10	27 31	13	12	14 6	11
Column C	11-10-2023 4:15	Night 7	NWL15	SVAN 977 SN:99032	5.4	31	0 119		51	52	45			5	26 Check, above 50 dBA	LAmes due to bird		-12	-7	9	7 .	4 6	8	8 5	6	9 14	16	20 24	24	23	22	20 15	26 32	15	11	13 6	4
1			NML18	SVAN 977 SN:99032	4.0	55 1				42	40			3	26 Ok, 550 dBA					5	1 1	6 5	7	10 11	12	13 17			15	15	12	5 9	25 30	15	9	11 5	4
1					5.4	42 1				54	53	40 2	7 4	0	20 Check, above 50 dBA	Vehicle Passby, LAmax due to bird - 3 min excluded			4 :	12	12 9	0 11	13	12 10	11	15 19	25	29 33	34	31	29	29 24	26 33	19	12	12 6	
1					4.7	40				63	54								- 4		4	3 2		-1 0	- 4	2 0	22	78 77	17	- 20	22	39 35	42 36	34	32	19 0	
1	11-10-2023 5:30	Night 1	NML15	SVAN 977 SN:99032	5.8	16	0 14.1	93	63	71	63	49 3	11 4	9	29 Check, above 50 dBA	LArrex due to bird	-15	-11	-7 1	3	2 .	4 4	3	4 5	8	10 13	18	25 27	29	36	46	43 33	35 36	35	30	23 17	
Column C	11-10-2023 5:45	Night 7	NML15	SVAN 977 SN:99032	5.8	20 1			63	71	60	52 3	12 4	9	Check, above 50 dBA	Vehicle Passbys, LAmax due to bird - 5 min excluded	-12	-7	7	7	9 1	2 10	10	11 11	12	15 20	25	31 34	34	33	43	37 37	41 42	40	25	23 15	10 7
1 March 1 Marc					4.3	36			70	72	56			5		RTN and bird song. LAmax due to bird song - 2 min excluded			4	5	5	7 24	35	33 17	32	27 26	28	28 25	29	- 35	39	38 29	26 26	23	19	13 6	- 3 - 1
1	11-10-2023 6:15				2.9	56			72	74	69			7	35 Check, above 50 dBA	RTN and bird song, LAmax due to bird song - Exclude	-14	-11	-7	3	4	5 5	9	5 6	9	21 19	20	32 32	43	51	53		32 37	35	35	19 13 28 15	1 7 -
	11-10-2023 6:45	Night 7	NWL15	SVAN 977 SN:99032	5.8	25	0 16.2	54	72	74	66			2	37 Check, above 50 dBA	RTN and bird song, LAmax due to bird song - Exclude	-12	-5	-4	5	8 1	3 18	14	11 13	15	17 20	25	34 33	40	- 44	49	45 37	32 32	33	32	23 16	5
1 MARCH 1 MARC					8.3	22				67	57	48 3	10 4	5	40 Check, above 50 dBA	RTN and bird song, LAmax due to bird song - Exclude	-10	-6	2	9	10 1	1 12	13	12 12	13	14 16	26	37 32	34	25	35				24	19 11	4
1					8.6	24 1			97	100	91			5	30	RTN and aircraft passibys - 5 min excluded		-3	3	14	17 5	8 27	26	24 17	18	20 22	27	38 42	55	57	72		50 49	60	51	53 48	38 25
Column C					10.8	11			63	71	61			7	33	RTN - 3 min excluded		-7	-2	9	16 2	5 32	24	22 25	24	24 24	24	28 31	34	40	43		29 25	31	25	21 12	1 3
1	11-10-2023 8:00	Day 7	NWL15	SVAN 977 SN:99032	11.2	11	0 19.4	63		65	56			3	27		-13	-5	-3	5	11 1	2 2	7	7 8	2	10 13	16	22 23	25	33	39		31 25	27	24	18 10	3
1					12.6	11				65	56			3	33		-13	-6	0	7	13 1	7 14	19	17 16	15	17 20	23	27 30	31	33	38	35 31	31 34	35	18	13 8	- 4 - '
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1.55 1.55	11-10-2023 9:15	Day	NML15	SVAN 977 SN:99032	11.2 3		0 22.4		50	61	53	46 2	19	2	39		-11	-6	3 :	10	12 1	2 10	13	13 14	14	16 19	25	36 33	31	35	34	31 27	24 33	29	18	14 9	5 .
14. A. S. M. C. B. S. M. S. M. C. B. S. M. C. B. S. M.					11.9 3	55 1	0 23	44	58	60	52	45 2	15 4	1	35	bird song - 5 min excluded	-8	-4	-1	9	20 2	5 26	26	29 27	19	15 15	24	33 27	25	29	25	30 31	29 26	25	22	16 10	1 3 - 7
1 MANUAL MATERIAL MAT		Day 1	NMI 15	SVAN 977 SN-99032 SUBN 977 SN-99032	90	3	0 213	43	50	61	54	42 3	5 4	1	21		-14	-10	- 3	22	13 5	9 15	14	14 14	15	17 18	20	24 27	23	29	70	26 27	27 33	25	19	14 10	
10-20-20-20-20-20-20-20-20-20-20-20-20-20	11,10,2023 10:15	Day 2	NML15	SVAN 977 SN:99032	6.2 3	58 9	0 24.6	40	65	67	53		5 4	1	32		-8	-4	0	10	14 1	4 13	15	15 15	15	17 19	22	26 29	29	34	36	33 29	23 22	22	19	15 10	
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1. A SAME PARTIES AND ALL PART					8.3 2	47 1			57	55	49			6	28		-13	-9	4 -	2	12 9	6 6	- 6	10 11	15	15 17	20	20 20	22	26	31	30 24	25 22	21	18	14 8	
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10-20-11-12-					65 2	55 (50	52	44			3	32			-10	7 3	0	2	\$ 21	15	20 21	20	20 20	20	21 21	20	21	23	20 22	21 20	19	16	11 17	18 7
14-20-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-					1.6 2	50 1	0 27.9		42	52	43			6	35			-5	4 .	3	11 9	0 13	17	20 22	22	19 28	26	26 25	25	25	26	25 23	23 21	19	13	10 9	
10.05011 10 10 10 10 10 10 10 10 10 10 10 10	11-10-2023 13:15				7.6 9	7	0 28			71 62	55			4	35		-11	-7	- 3	3	5 5	8 17	17	20 20	21	20 25			25		10				14	18 10	
10.523 5.00 7.00	11-10-2023 13:45	Day	NML15	SVAN 977 SN:99032	4.7 2	55	0 28.7	25	55	56	45	40 3	10 3	8	35		-7	-4	-4	10	9 1	1 23	19	19 19	22	22 24	26	28 29	29	25	29	28 24	22 22	19	14	11 8	5
1.5-2-2-1-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-	11-10-2023 14:00	Day 1	NML18	SVAN 977 SN:99032	1.6 2	51 1			23	54	51			0	N		-11	-6	7	- 8	11 1	1 22	23	19 21	25	23 25	27	28 30	32	31	31				14	11 5	5 /
1. Section	11-10-2023 14:15				8.6 2	51 1			52	57	46				40	Local engine noise dominates - exclude	-12	-5	-2	- 6	16 2	1 21	21	22 25	27	25 33	30	30 29	30	25	28		21 21	20	15	11 8	
140-201-20 Mg	11-10-2023 14:45				5.4 2	25				59	49			5	22	Court in garde include contractions - exception	-14	-10	4 3	4	12 2	1 19	14	21 20	17	17 20		25 25	29	27	29		25 21	25	22	15 11	11
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10-2011 May 10-2012 May 10-201		Day 7	NAME OF	SVAN 977 SN:99032	63 2	57		23	62	64	57			3	36			-7	-1	- 1	15 1	3 10	21	24 19	10	19 21	29	31 35	30	30	39				10	11 9	
10-20-10-20-10-20-20-20-20-20-20-20-20-20-20-20-20-20	11-10-2023 16:00	Day 1	NWL15	SVAN 977 SN:99032						63	51	40	19 3	a a	25			-5	.7	10	7	8 12	10	5 8	7	11 13	15	18 20	23	31	33				15	14 10	6
1 No. 20 May 1 Provided 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					9.7 2	52			62	63	50			0	22			-2	-7 -3	15	5 1	2 24	20	15 17	13	15 20	23	26 31	31	31	30	25 23	24 33	33	14	15 9	6 .
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10-200 1 May					7.9 2	70			72	73	61			9	29			-2	1 1	13	19 3	2 25	25	28 26	30	32 35		37 39	40	30	38		39 41	39	31	23 15	1 3 3
19-52-01-52-08-08-09- 03-12-0-5-09- 03-12-0-5-09- 03-12-0-5-0-5-0-5-0-5-0-5-0-5-0-5-0-5-0-5-0-	11-10-2023 17:45	Day 3	NAME 18	SUAN 977 SN:99032 SUAN 977 SN-99037	41 7	75			27	75	23			0	35			-12	4 4	15	25 2	y 29	- 25	25 26	32	20 29	35	37 35	25	42	41	47 34	32 45	35	74	10 11	1 7
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19-23-23 bergs (ML) (ML) (ML) (ML) (ML) (ML) (ML) (ML)	11-10-2023 15:30	Evening 7	NML15	SVAN 977 SN:99032	16 2					€2	55				35	RTN Dominates - exclude			4	- 5	12 5	4 16	22	17 21	26	24 25	28	32 35	33	23	25				20	24 16	10 7
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11-2-2-1-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-	11-10-2023 19:15				40 3	33			53	73	57				37	Wind noise dominates - exclude	-0 5	-3	7	10	12 1	5 15	15	16 18	21	24 27	28	31 35	33	32	29	27 25	48 48	32	25	25 20	13
19-52-22-22 berry (ML) (ML) (ML) (ML) (ML) (ML) (ML) (ML)	11-10-2023 19:30				47 3	50			50	61	56	51 4	15 4	9	36		4	4	5	8	11 2	3 14	12	16 18	25	24 24	26	27 27	27	26	25	24 25			24	25 19	12
14-5-2-19-4-19-4-19-4-19-4-19-4-19-4-19-4-19	11-10-2023 19:45	Evening	NML18	SVAN 977 SN-99032	54 3	56			58	529	57			0	23		5	7		10	10 9	6 12	- 11	13 16	20	22 23	25	26 25	26	24	24				24	24 19	12 7
10-22-22 berry Mod (0-1)	11-10-2023 20:00	Evening 2	NAME 18	SUAN 977 SN-99032 SUAN 977 SN-99777	7.9	0			57	55	57			2	70	Wind noise dominates - excuse Wind noise dominates - exclude	8	10	6 1	12	13 5	6 14	16	15 19	20	23 24	26	27 28	27	25	25	25 28	52 44	29	25	20 21	13 1
19-0-2027 Species MAI 20-0-202 Company 20-0-202					7.6	7			61	64	55			ol .	34	Wind noise dominates - exclude	3	4	4	9	9 1	3 11	11	12 16	19	21 25	25	26 29	25	27	25	23 32	49 42	27	24	24 19	111
10-00-20 berrs 00-10 berrs 00-	11-10-2023 20:45	Evening 7	NML15	SVAN 977 SN:99032	6.0	10	0 22.5	34		56	55	53 4	12 4	9	32	Wind noise dominates - exclude	-1	- 1	2 .	8	7 1	5 10	10	14 15	18	20 21	23	24 24	23	22	21		48 40	25	23	22 15	10
14-05-2227-18/Pereng MAG 19/08/97/29/20202 13: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					7.2	17				55	52			4	34	Wind noise dominates - exclude	2	4	4 1	9	9 1	7 19	21	16 16	20	21 23	25	26 25	26	25	25		42 37	24	21	21 16	10 7
11-10-22222-21-16 [Sterring Mail.18 [SVAN 977 Str. 980222] 14:8 3 0 21.3 53 46 49 46 44 37 41 28 4 3 2 7 4 10 9 6 9 10 12 15 16 10 10 10 10 10 10 10 10 10 10 10 10 10	11-10-2023 21:15	Evening 1	NML15	SVAN 977 SN:99032	15.1	2				50					30		-3	1	6	7	7 1	8 13	12	13 17					21		19		20 40	25			
11-10-2022/22/20 Sweeing MAIL 8 SWAYST 2N-202022 14.8 1 0 21 56 46 50 47 46 41 45 28 11 10 2 1	11-10-2023 21:45	Evening 7	NWL15	SVAN 977 SN:99032	14.8	3	0 21.3	53	45	40		44 :			26		-6	-4	- 2	1	4 1	8 9	6	9 10	12	15 16	18	19 19	18	16	15	14 39	23 36	19	15	17 10	
	11-10-2023 22:00	Evening	NML18	SVAN 977 SN-99032	14.8	1	0 21	56	45	50	47	46 4	11 4	5	26		-11	-9	4	6	1 1	7 8	- 4	5 9	11	13 15	16	16 15	14	13	13	13 37	36 43	15	15	17 10	6

	End Time Time Location Logger	Mine Weather Data Rainfall Temp Humidity LAmax LA (Smith) Disortion (Intell Inc.) (N)	ute Statistical Data Logoum LAeq15min	n tota Lmax Requires Further Review		Raw Likeg	tinin 1/3 Spectro 25Hz 31.5Hz	am .							
Column	Period	Wind Speed Wind Rainfall Temp Humidity LAmax LA (km/hr) Direction (mm) (oC) (%)	Umax LA1 LA10 LA90 LAeq LAeq SE30 Hz (Incl +2.3 dB	Review		20Hz	25Hz 31.5Hz	40Hz SOHz	63Hz BOHz 1	00Hz 125Hz	160Hz 200Hz 250Hz	315Hz 400Hz 500	Hz 630Hz 800H	Hz 114Hz 11.25kHz 11.6kHz 2kHz 12.5kHz 13.15kHz 4k	Hz SkHz 6.3kHz 8kHz 10kHz 12.5kHs
Column C			conection	2.3	Community (dominanti(notasanethy sources)										
Column C	04-10-2023 22:15 Night NML34 NGARA SN:8781B1	18.7 1 0 20.2 74.4 60-	57 53 41 49	45 Check, above 50 dBA	Wind Speed Exceedance - Exclude		21 23	25 2	6 26 26	26 27	29 31 3	32 35	36 37	38 38 38 38 39 40	39 37 36 34 30 25
Column C	04-10-2023 22:30 Night NML34 NGARA SN:6781B1 04-10-2023 22-45 Name NAS 34 NGARA SN:6781B1	12.1 2 0 20.1 75.4 56- 17.6 360 0 20 76 57-	52 48 41 45	41 Check, above 50 dBA	Wind Speed Exceedance - Exclude Ward Moles Dominant I Amer Wind - Exclude		16 19	20 2	1 20 21	21 23	24 26 21	28 30	32 33	34 34 33 33 33 33 39	35 31 30 28 25 15 34 31 30 28 24 15
Column	04-10-2023 23:00 Neght NML34 NGARA SN:878181	16.9 357 0 19.8 76.8 52	47 44 40 43	36 Check, above 50 dBA	Wind Noise Dominant, LAmax Wind - Exclude		11 13	14 1	4 14 16	17 18	20 21 22	24 25	28 29	29 29 29 28 28 30 39	31 27 26 24 20 15
Column C		15.1 340 0 19.6 78.4 56.	52 46 39 44	33 Check, above 50 dBA	Wind Speed Exceedance - Exclude Ward Moles Dominant I Amer Wind - Exclude		14 17	18 1	9 20 20	20 21	22 24 2	26 26	29 30	31 31 31 31 31 32 39	32 30 29 26 23 18 30 27 25 22 20 15
	04-10-2023 23:45 Night NML34 NGARA SN:878181	12.2 331 0 19.1 82.3 46	30 36 33 35	28 Ck, 550 dBA			4 -2	0	2 4 5	8 10	11 12 1	14 17	19 21	20 22 22 20 20 23 32	26 18 16 15 12 5
	05-10-2023 0:00 Night NML34 NGARA SN:878181 05-10-2023 0:15 Night NML34 NGARA SN:878181	10.4 323 0 19.2 80.7 47	44 42 35 40 45 42 32 39	23 Chark shows 50 dBA	Amay due to Insert reins	-	-18 -15 -24 -18	-11	4 4 5	6 7 6 8	5 6 3	6 10	13 17	15 18 18 16 15 28 39 27 29 20 20 20 20 20 34	29 14 12 12 14 15
Column			48 43 29 39	27 Check, above 50 dBA	Insect noise, LAmax due to Insect noise - 4 min excluded		13 16	17 1	7 17 17	15 19	20 21 22	23 24	25 27	27 27 27 27 26 26 29	33 24 22 20 17 19
Column	05-10-2023 0-45 Night NML34 NGARA SN:878181 05-10-2023 1-00 Night NML34 NGARA SN:878181	7.6 193 0 17.3 97.6 66-	47 41 31 38 51 45 33 41	Check, above 50 dBA	Insect noise, LAmax due to Insect noise - 5 min excluded	-	9 12	13 1	4 13 15	16 17	18 19 11	21 23	24 28	28 27 27 28 25 24 27	32 22 20 18 14 13 31 36 34 22 30 18
		12.2 104 06 13.9 99.9 63.		22 Check, above 50 dBA	Rainfall Exceedance - Exclude		11 12	13 1	4 15 16	18 20		25 27	28 34		
	05-10-2023 1:30 NgN NAL34 NGARA SN:878181 05-10-2023 1:45 Name NAL34 NGARA SN:878181	14.4 186 1.5 13 99.9 60-	57 54 41 48	41 Check, above 50 dBA	Rainfall Exceedance - Exclude Bainfall Exceedance - Exclude		11 12	13 1	4 15 16 8 9 12	19 21	23 24 21	26 28	30 36	39 39 39 39 39 38	36 33 32 31 29 30 26 36 34 23 30 15
	05-10-2023 2:00 Night NML34 NGARA SN:878181	10.8 187 0.6 11.9 99.9 50-	42 40 34 37	29 Ok, 550 dBA	Rainfall Exceedance - Exclude		4 5	-2	4 3 6	8 11	13 12 14				
Column	05-10-2023 2-15 Night NML34 NGARA SN:878181 05-10-2023 2-30 Night NML34 NGARA SN:878181	11.2 181 0.2 11.6 99.9 49-	30 36 31 34 30 33 28 32	25 Ok, 550 dBA 24 Charle shows 50 dBA	Irmact na mir I Arnav	-	-11 -9	4	2 1 4	5 7	9 9 1	12 14	15 20	23 25 26 25 25 23 25	25 19 18 16 13 10 22 15 14 13 10 8
Column C	05-10-2023 2-45 Night NML34 NGARA SN:8781B1		34 33 27 31	23 Ok, \$50 dBA			-18 -11	-7	1 -1 2	4 8	10 9 1			19 19 19 24 24 17 20	21 12 11 12 14 15
Column C	05-10-2023 3:00 Night NML34 NGARA SN:878181 05-10-2023 3:15 Night NML34 NGARA SN:878181	4.7 118 0 11.5 99.9 49-	36 35 29 33 34 32 26 30	25 Ok, 550 dBA 21 Ok, 550 dBA		-	-17 -9	- 5	1 1 5	5 9	12 12 13	12 14	16 20	22 23 23 26 25 20 21 10 18 18 22 22 17 21	21 14 14 13 11 8
Column C	05-10-2023 3:30 Night NML34 NGARA SN 878181	6.1 55 0.1 11.4 99.9 47	34 32 26 30	25 Ok, \$50 dBA			-15 -10	4	0 1 5	5 9	12 10 1	11 16	17 18	18 15 15 21 22 15 21	20 11 11 12 9 1
Column C	05-10-2023 3-45 Night NML34 NGARA SN:878181 05-10-2023 4-00 Name NML34 NGARA SN:878181	4.0 11 0 11.5 99.9 45-	33 31 25 28	24 Ok, 550 dBA		-	-16 -11	-5	1 1 5	5 8	11 9 1	12 14	15 15	15 13 12 20 20 13 20	20 11 11 11 9 3
Column C	05-10-2023 4:15 Night NML34 NGARA SN 878181	3.2 299 0 11.8 99.9 46-	41 30 23 29	29 Ok, 550 dBA			-15 -0	4	0 0 4	9 12	13 19 2	20 15	14 12	11 9 9 13 14 11 21	18 10 10 11 9 3
Column C			32 28 24 27			-	-15 -0	- 5	0 1 5	7 7	12 11 10				
Column C	05-10-2023 5:00 Night NML34 NGARA SN:8781B1		48 42 26 38	22 Check, above 50 dBA	LAmax due to wind noise		-15 -10	4 .	1 1 6	5 6	8 7			16 23 32 34 27 26 20	24 25 28 24 10 3
Column C	05-10-2023 5:15 Night NML34 NGARA SN:878181			27 Check, above 50 dBA	LAmix due to wind noise	-	-13 -8	-4	2 7 12	11 14	14 12 13	14 17	17 19	21 25 33 34 30 35 35	37 41 46 46 25 14
Column C	05-10-2023 5:45 Night NML34 NGARA SN:8781B1	3.6 350 0 12.1 99.9 65	58 52 34 49	47 Check, above 50 dBA	Bird noise dominant (pigeons common at this location), Bird LAmax - Exclude		4 8	-1	3 6 11	9 12	14 13 1-	15 19	34 45	42 29 34 33 36 38 32	38 35 24 19 14 5
Section 1. Control 1.					Bird notes dominant, Bird LAmex - Exclude Bird notes LAmex, distant aircraft notes, Birds dominate in 500Hz and 500Hz book	H	9 5	-1-	4 6 10 6 9 ts	10 12 17 24	13 13 16	18 21 21 22	30 43	40 29 36 36 37 33 33 40 28 31 31 31 30 40	36 33 26 24 13 8 46 39 29 27 17 13
Section 1. Control 1.	05-10-2023 6:30 Night NML34 NGARA SN-6761B1	2.9 317 0 12.7 99.4 69	55 46 31 45	40 Check, above 50 dBA	Bird noise dominant, Bird LAmax - Exclude		-7 3	2	6 9 14	14 16	18 16 11	20 21	27 37	31 29 33 30 30 33 33	40 37 29 27 16 12
Column C	05-10-2023 7:00 Note: NML34 NGARA SN:878181 05-10-2023 7:00 Note: NML34 NGARA FN-878181	3.21 289 0 13.1 98.1 62- 2.5 289 0 13.6 95.7 87	50 48 33 44 56 50 36 47	44 Check, above 50 dBA	per rosse dominant, Bird LAmax - Exclude Bird roise dominant, RTN, Bird LAmax - Exclude		-7 -2	- 1	6 9 13 8 13 17	13 15				34 27 35 36 36 30 29 36 31 36 36 37 38 37	28 25 18 14 10 2
Column C	05-10-2023 7:15 Day NML34 NGARA SN-8781B1	2.2 332 0 14.1 90.2 64	54 51 35 46	45			-2 2	š	9 15 18	17 18	21 21 2	22 23	31 43	36 28 33 34 37 34 35	32 33 29 20 13 5
Column C	05-10-2023 7:30 Day NML34 NGARA SN:878181 05-10-2023 7:45 Day NML34 NGARA SN:878181	4.0 261 0 14.6 85.1 63- 5.4 244 0 15.2 76.5 69-	50 50 33 47 50 40 34 48	42	Dird noise dominant - Exclude Bird noise dominant - Exclude		-1 4	7	9 15 22	20 18	22 21 22	24 25 22 22	28 39	30 30 37 36 38 33 29 33 26 34 35 37 36 41	31 25 21 18 13 5 41 36 32 27 19 12
Column C	05-10-2023 8:00 Day NML34 NGARA 5N-8781B1	6.1 221 0 15.4 70.1 68	59 50 33 48	44	Bird noise dominant - Exclude		4 0	2	7 11 14	13 15	17 16 11	20 20	28 41	36 27 31 33 35 37 42	40 34 31 27 19 12
Column C		9.0 213 0 15.8 73.1 67	55 46 33 45	35	Bird noise dominant, KTW - Exclude		1 3	5	7 10 16	14 19	24 20 21	20 21	25 34	32 27 30 31 31 34 33	34 33 33 41 29 10
Column C	05-10-2023 8:45 Day NML34 NGARA SN:8781B1	11.5 193 0 16.2 73.9 64	55 48 33 45	43	Bird noise dominant - Exclude		6 7	9 1	0 12 17	15 16	17 18 11	23 23	29 40	34 30 30 31 30 30 35	35 36 34 30 17 11
Column C	05-10-2023 9:15 Day NML34 NGARA SN:878181	13.0 207 0 16.8 72.1 62	54 47 34 44	37	RTN - 3 min excluded	Ħ	8 9	12 1	2 14 19	23 23 18 20	22 23 25	26 27	29 36	25 34 23 34 33 31 31	29 29 27 23 17 12
Second Column	05-10-2023 9:30 Day NML34 NGARA SN:8781B1	11.9 212 0 17.2 68.4 71	56 50 33 48	47	Bird notes, RTN - Excluded		5 7	10 2	0 21 21	22 25	28 30 3	34 34	36 42	41 35 36 35 34 33 34	31 29 28 25 16 11
Second Column		11.9 213 0 18 60.5 62	49 42 31 40	37	WHILE, IN THE THE HOUSE	Ħ	10 11	12 1	3 16 22	23 17	18 19 11	21 21	25 32	30 25 27 27 28 29 30	26 26 28 27 17 12
Column C	05-10-2023 10:15 Day NML34 NGARA SN 878181	10.4 205 0 18 60 60-	53 47 33 43	37	Bird noise - 2 min excluded	H	10 12	13 1	3 14 19	17 15		25 27	29 32	34 33 34 33 32 31 31 32 32 31 31 31	
30 10 10 10 10 10 10 10 10 10 10 10 10 10		11.5 215 0 18.9 56 66	54 48 34 45	37	Bird noise - 2 min excluded		12 13	14 1	6 16 20	15 17	19 19 21	24 27	27 35		35 36 37 34 21 14
Section 1. Control 1.	05-10-2023 11:00 Day NML34 NGARA SN:8781B1	12.6 225 0 18.8 54.7 64		35			11 11	12 1	4 15 20	17 17	17 18 10	21 25	25 29	31 31 32 32 32 33	33 37 36 34 23 13
Section 1. Control 1.	05-10-2023 11:30 Day NML34 NGARA SN:8781B1	13.3 229 0 18.9 51.7 63	52 43 32 41	33			8 10	11 1	1 13 18	15 16	16 17 11	20 22	23 27	29 30 29 28 30 32 32	31 32 32 31 20 12
Second	05-10-2023 11:45 Day NML34 NGARA SN 878181 05-10-2023 12:00 Day NML34 NGARA SN 878181	10.8 214 0 18.5 49.6 65- 11.2 226 0 18.6 48.2 82.	50 47 31 46	25	aircraft pass by - 2 min excluded		14 17	18 1	8 19 23 8 32 25	24 25		27 30	33 35	36 37 36 36 34 34 35 45 51 50 50 47 50 44	33 30 27 24 19 15
See 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	05-10-2023 12:15 Day NML34 NGARA SN:6781B1	10.1 218 0 19.3 46.2 63 -	56 45 31 43	33	Local Engine Noise - 3 min excluded		3 6	14 1	5 23 34	29 25	30 25 21	29 27	27 30	31 33 34 33 32 34 29	27 28 25 19 14 10
See 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	05-10-2023 12-30 Day NML34 NGARA SN:8781B1 05-10-2023 12-45 Day NML34 NGARA SN:8781B1	10.8 218 0 19.4 47.6 53 -	48 42 32 39 51 51 32 48	34	Local Froing Noise - 3 min purished	-	9 10	10 1	1 13 18	15 15	17 17 11 28 27 21	21 24	25 27	29 29 28 27 27 28 28 39 39 39	29 27 26 22 16 12
March Marc	05-10-2023 13:00 Day NML34 NGARA SN:5781B1	11.5 192 0 19.2 45.7 69-	55 44 28 45	и	Local Engine Noise - 4 min excluded		8 11	19 1	5 22 29	25 29	27 27 21	31 33	33 35		30 27 25 22 17 12
March Marc	05-10-2023 13:15 Day NML34 NGARA SN:878181 05-10-2023 13:30 Day NML34 NGARA SN:878181	10.8 218 0 19.8 42.9 56- 13.7 249 0 20.3 40.9 62-	47 41 30 38 54 42 30 42	32	Aircraft noise - 2 min excluded	-	5 7	9 1	9 11 17 6 17 22	13 14 23 22	15 15 15 22 23 21	19 22 27 28	23 25 30 32	28 28 29 28 28 26 26 26 32 33 33 32 30 27 26	24 24 25 23 15 11 24 22 23 19 14 10
Company Comp	05-10-2023 13:45 Day NML34 NGARA SN:8781B1	11.2 225 0 20.2 39.1 58-	46 40 29 37	33			1 3	5	5 9 17	12 12	13 13 15	18 20	23 29	27 26 27 26 26 28 29	27 22 19 16 13 5
Company Comp	05-10-2023 14:00 Day NML34 NGARA SN:878181 05-10-2023 14:15 Day NML34 NGARA SN:878181	11.9 230 0 20.2 37.9 53 - 10.8 252 0 20.4 36.9 73 -	57 54 28 49 61 58 41 55	55	Local Engine Noise - 5 min excluded Local Engine Noise - Excluded	-	9 2	5 2 10 2	3 12 27 7 21 30	37 33 41 38	35 39 31 40 45 43	35 39 44 45	35 34 42 41	41 42 43 43 42 42 42	34 32 29 24 17 11 40 39 36 34 26 18
Column C	05-10-2023 14:30 Day NML34 NGARA SN:5781B1	11.2 235 0 20.2 37.7 67	64 60 38 56	54	Local Engine Noise - Excluded		12 4	5 2	E 20 30	30 37	39 44 43	45 45	46 44	43 43 43 43 42 41 40	38 37 35 31 23 15
## Section March M	05-10-2023 14:45 Day NML34 NGARA SN878181 05-10-2023 15:00 Day NML34 NGARA SN878181		50 44 31 41	37	RTN, Line Trimmer - 5 min excluded	-	4 2	10	3 7 13 9 14 72	13 17	18 19 11				
Section March Ma	05-10-2023 15:15 Day NML34 NGARA SN:8781B1	9.7 259 0 203 38.4 67	52 41 29 41	31			5 7	7	9 10 13	12 12	13 13 15	17 20	22 24	25 28 36 33 34 29 30	28 26 23 19 14 10
## STATE 1.00	05-10-2023 15:30 Day NML34 NGARA SN:878181 05-10-2023 15:45 Day NML34 NGARA SN:878181	11.2 248 0 20.7 37.6 64- 10.1 251 0 20.6 37.6 55-	50 43 30 40	2	Bird noise - 2 min excluded Bird noise - 2 min excluded	1	1 3	- 6		10 12	13 13 13	21 22			23 20 17 16 13 10
## STATE 1.00	05-10-2023 16:00 Day NML34 NGARA SN:6781B1	10.1 235 0 21.9 35 55-	51 45 30 41	42	Bird noise dominant - Exclude		5 7	10	9 10 17	11 12	13 13 15	19 21	26 39	33 27 26 26 25 25 26	23 20 19 17 18 15
1. 1. 1. 1. 1. 1. 1. 1.	05-10-2023 16:15 Day NML34 NGARA SN:878181 05-10-2023 16:30 Day NML34 NGARA SN:878181	10.4 239 0 21.8 35.5 74 - 9.4 215 0 21.8 34.8 65 -	54 50 30 46	40	Bird noise, RTN - Exclude Bird noise dominant - Exclude		-1 0	2 1	2 14 16 4 9 14	10 16		23 26 19 21	32 43 26 38	33 26 27 27 27 31 26	31 29 28 24 20 16 31 27 22 19 16 12
1. 1. 1. 1. 1. 1. 1. 1.	05-10-2023 16:45 Day NML34 NGARA SN:6781B1	11.5 234 0 21.8 34.5 69	56 50 31 46	46	Local Engine Noise, Bird Noise - Exclude		11 19	15 1	6 16 20	22 24	24 25 2	28 30	34 43	36 33 33 34 33 31 33	26 23 20 17 14 10
Column C	05-10-2023 17:00 EMY NML34 NGARA SN 678181	10.1 234 0 21.5 35.1 61-	50 50 30 49	я	Bird noise - 2 min excluded	-	3 1	_	2 5 8	7 8	9 10 1	14 16	30 36	31 24 24 25 24 24 27	33 27 17 15 12 5
## Section Property of the Control	05-10-2023 17:30 Day NML34 NGARA SN:578181	9.0 241 0 21 35.7 51	54 50 29 45	45	Bird noise dominant - Exclude		è	-1	1 7 13	6 11	10 11 1	17 20	31 43	38 28 29 30 29 28 29	26 21 19 15 10 8
## Section Property of the Control		5.4 205 0 19.4 40.8 62	55 50 28 46	44	Bird noise dominant - Exclude		-7 - 6	-2	2 6 7	7 10	12 9 1	17 19	34 44	39 32 29 26 25 26 26	26 23 25 20 12 8
## Company of the Com	05-10-2023 18:15 Evening NML34 NGARA SN 8781B1	6.1 207 0 18.8 41.6 61-	51 39 27 38 45 39 28 36	30		H	-11 -7	4	1 3 5	5 8	12 11 1-	12 13	17 27	25 26 28 31 32 30 28 28 28 27 28 34 32	26 18 17 15 10 8
## Company No. 1995 N	05-10-2023 18:45 Evening NML34 NGARA SN:878181	6.1 185 0 17.3 45.9 52-	46 42 31 37	23	RTN, Aircraft - 3 min excluded		-11 -8	4	3 0 5	12 24	22 13 11	17 17	21 26	30 29 27 26 28 27 27	22 12 13 12 9
## Description 1.0 1	05-10-2023 19:00 Evening NML34 NGARA SN 8781B1	7.2 188 0 16.7 48.2 57- 6.1 200 0 16.3 40.5 31	45 37 28 35 32 30 27 29	30		H	4 7	4	0 4 6	6 11	11 11 12	14 19 7 10	22 25		21 11 11 11 9 8
## AND PROPERTY OF THE PROPERY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY		5.8 188 0 15.9 50.8 68-	53 42 28 42	21	RTN, Local Engine Noise, Door Starrs - 5 min excluded		11 14	13 1		17 21	24 22 2	25 31	30 32	33 33 33 33 31 30 28	26 23 24 21 15 11
\$\\ \text{State}{\text{State}} \text{State}{\text{State}} \text{State}{\text{State}} \text{State}{\text{State}} \text{State} \text{State} \text{State} \qqq \qquad \qq \qq	05-10-2023 19-45 Evening NML34 NGARA SN 678181 05-10-2023 20:00 Evening NML34 NGARA RN 678181		42 31 26 37	30	Vehicle noise - 2 min excluded	+7	6 2 10 11	-2 12 *	5 13 18	10 16				24 24 25 28 26 28 27	27 24 23 19 13 11
\$\\ \text{State}{\text{State}} \text{State}{\text{State}} \text{State}{\text{State}} \text{State}{\text{State}} \text{State} \text{State} \text{State} \qqq \qquad \qq \qq	05-10-2023 20:15 Evening NML34 NGARA SN:8781B1	4.7 196 0 14.6 55.3 51	47 40 22 36	21	Truck moving through property - 4 min excluded		-11 -9	-1	4 6 8	10 15		24 26	25 25		15 10 10 11 9
## Company of the Com		43 201 0 142 553 53 5.0 153 0 139 574 77	29 25 23 25 25 23 21 22	23		+	-9 -3 -15 -10	4 -	5 7 13	8 10	12 7	8 10	10 5	10 9 9 10 11 12 16 7 6 6 8 8 0 14	14 11 11 11 15 18 12 10 10 11 0 1
## Company of the Com	05-10-2023 21:00 Evening NML34 NGARA SN:8781B1	3.6 186 0 13.7 57.6 49 -	42 31 21 30	26			-16 -11	-5	3 -2 1	4 12	6 3 0	10 15	18 20	24 23 20 17 15 12 14	12 11 11 11 9 1
## Company of March Marc	05-10-2023 21:15 Evening NML34 NGARA SN:676181 05-10-2023 21:30 Evening NML34 NGARA SN:676181	4.7 187 0 13.5 57.4 26- 4.7 193 0 13.3 58.1 571-	24 23 21 22 52 35 21 39	15 26	RTN - 2 min excluded	++	-18 -11 -11 -0	-6	1 -3 3 0 7 10	6 11	6 1 1 18 20 21	5 8 27 29	8 8 29 30	7 7 7 9 10 11 13 32 31 26 26 21 16 14	12 11 11 11 9 3 11 10 10 11 9 3
## Company No.		5.8 184 0 13.3 55.4 56	52 36 21 38	20	RTN - 3 min excluded		-13 -9	-5 -	2 0 3	4 6	6 6 10	13 25	30 25	32 32 28 25 22 18 15	12 11 11 11 9 8
## Company of the Com	05-10-2023 22:00 Evening NML34 NGARA SN:678181 05-10-2023 22:15 Night NML34 NGARA SN:678181	7.9 187 0 13.2 55.7 30 5.4 188 0 13.2 54.4 32		19 21 Ok, 550 dBA		++	-17 -12 -15 -11	-6 -	3 -2 2	3 8	9 3 1	7 9	9 7	7 7 7 7 8 9 12 9 9 8 9 10 11 13	11 10 10 11 9 3 12 11 11 11 9 3
## CONTROLLED NO. 1997 14 1 1 1 1 1 1 1 1	05-10-2023 22:30 Night NML34 NGARA SN:878181	6.5 194 0 12.8 55.1 32	29 25 21 23	22 Ok, \$50 dBA			-16 -12	-7 -	3 0 2	5 12	9 5 1	9 13	14 11	9 8 7 8 9 10 12	11 11 11 11 9
## CONTROLLED NO. 1997 14 1 1 1 1 1 1 1 1	US-10-2023 23:00 Night NML34 NGARA SN:878181 05-10-2023 23:00 Night NML34 NGARA SN:878181	9.7 190 0 12.6 54.8 52- 5.4 192 0 12.3 55.9 61	40 31 22 32 48 32 21 35	22 Check, above 50 dBA	LATEX due to insect noise LATEX due to insect noise, mine noise is not audible - 3 min excluded	+	-15 -11 0 11	-6 -	6 9 7	9 14	7 5 6	9 15 17 19	21 25	25 26 28 25 25 23 23 20	14 11 11 11 9 3 17 15 13 12 10 8
## 0.00000 Program 1.0000 Program 1.	05-10-2023 23:15 NgN NML34 NGARA 5N-8781B1	2.9 191 0 12 55.2 50 -	29 26 21 24			H	-15 -10	-5 -	1 3 5	6 11	11 8 1	12 16	14 13	11 10 8 10 10 11 12	11 11 11 11 9 1
## 0.00000 Program 1.0000 Program 1.	US-10-2023 23:30 Night NML34 NGARA SN:878181 05-10-2023 23:45 Night NML34 NGARA SN:878181	3.6 142 0 11.9 53.9 33	30 28 22 25	20 Ok, \$50 dBA		+	7 13 -9 -7	12 1 -4 -	9 12 17	19 20	4 4 1	24 27 7 10	11 11	29 29 30 31 30 28 25 11 11 12 14 15 16 16	24 18 18 15 11 5 16 15 14 13 10 8
## 05-02-02-03-03-04-04-04-04-04-04-04-04-04-04-04-04-04-	06-10-2023 0:00 NgN NML34 NGARA 5N 8781B1		31 28 21 25	21 Ok, 550 dBA	I American de la beread	H	-7 -4	-3 -	1 2 4	3 5	8 6 6	8 10	11 11	11 11 11 13 14 16 15	15 14 13 13 10 8
## 05-02-02-03-03-04-04-04-04-04-04-04-04-04-04-04-04-04-	06-10-2023 0:30 Night NML34 NGARA SN 878181	6.5 167 0 11.1 58.6 43-	29 23 21 22	17 Dk, 550 dBA	DAMES OF STREET	Ħ	-17 -13 -17 -13	-7	3 4 2	2 2	3 1	3 7 4 8	9 8	8 7 7 10 10 11 13	14 11 11 11 9 3
Control Cont	06-10-2023 0:45 Night NAIL34 NGARA SNETSIBI	4.7 155 0 10.8 59.1 36	26 24 21 23	18 Ok, 550 dBA		\vdash	-16 -11	-7	4 -3 -1	-1 2	4 1	4 7	9 10	9 9 9 10 11 12 13	13 12 11 11 9 1
0.500000000000000000000000000000000000	06-10-2023 1:15 Night NML34 NGARA SN:878181	1.4 134 0 10.1 62.9 30-	23 21 20 20	14 Ok. 550 dBA		Ħ	-13 -12 -18 -15	-10	6 4 3	5 4	3 2	1 3	5 6	6 7 5 6 7 8 9	10 10 10 11 9 7
0.500000000000000000000000000000000000	06-10-2023 1:30 NgN NAE.34 NGARA SNETSIBI	1.1 193 0 9.8 63.9 42		15 Ok. 550 dBA		\vdash	-19 -14	-9 -	6 -7 -3	-2 -2	0 -1 0	3 6	5 5	6 6 6 7 8 9 9	10 10 10 11 11 11
## 15-12-12-12-12-12-12-12-12-12-12-12-12-12-	06-10-2023 2:00 Night NML34 NGARA SN:878181	22 52 0 93 658 52-	29 22 20 23	15 Check, above 50 dBA	Dog bark LAmax	Ħ	-19 -14 -17 -15	9 -	6 -7 -2	4 2	4 3	0 2	6 9	7 12 15 13 11 10 9	10 10 10 11 12 15
05-0323-0-Reg MAX	06-10-2023 2:15 Night NML34 NGARA SN 8761B1	2.5 107 0 9.2 67.5 58-		17 Check, above 50 dBA	Dogs basking LAmax - 5 min excluded Dogs basking LAmax - 4 min excluded	H	-17 -12 -18	-5 -	6 4 1	0 2	3 1	2 8		26 23 28 17 18 14 11	10 10 10 11 9 1
GEO-032213- Reging MASS, MASS, MASS	06-10-2023 2:45 Night NML34 NGARA SN:8781B1	2.2 125 0 8.8 70 33	30 23 20 22	20 Ok, 550 dBA	magnitude of the Control of the Cont		-17 -13	-9	4 1 5	1 6	8 8	7 8	11 11	10 7 7 7 8 9 9	10 10 10 11 9
## 05/2017-19 May Make Make Market Mark 1 27 M 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	06-10-2023 3:00 Night NML34 NGARA SN.8761B1	2.5 254 0 7.8 76.7 26-		17 Ok, \$50 dBA		H	-15 -11	-7 -	4 4 0	0 2	2 1 2	4 7	9 5	6 5 5 6 7 8 9	10 10 10 11 9 3
6-55325-6 Right (MAX) (ACCASASSITION 2 2 B) 6 7 77 78 55- 20 79 20	06-10-2023 3:30 Night NML34 NGARA SN:8781B1	1.1 75 0 7.6 76.5 37	27 23 20 22				-12 -7	10	3 4 10	5 4	4 2	3 9	8 8	6 5 7 8 8 8 9	9 10 10 11 9 8
5012001 C	06-10-2023 3:45 Night NML34 NGARA SN.6781B1 06-10-2023 4:00 Night NML34 NGARA RV R781R1	1.1 282 0 7.7 75.9 43	30 26 20 26 25 23 20 22			+7	-9 -4 -15 -10	7 3	7 8 12 0 1 6	9 8	8 7 4	7 11	12 18	11 11 19 10 10 10 11 7 5 5 6 7 8 0	15 14 14 12 9 3 9 10 10 11 12 17
	06-10-2023 4:15 Night NML34 NGARA SN 878181	1.8 276 0 7.2 78.5 56-	40 23 20 29	12 Check, above 50 dBA	Dog bark LAmax - 1 min excluded	ш	-14 -11	-7 -	3 -2 4	2 4	4 3	5 10	15 25	18 18 22 12 12 11 10	12 11 12 11 9 1

End Time Time Location Logger Period	Mine Weather Data Wind Speed Wind Rainfall Temp Humids (kmhr) Direction (mm) (oC) (%)	Raw 15-minute Statistical y LAmax LAlmax LA1	f Data	Logsum LAeq15min to	ta Lmax Requires Further Review		Raw Lives 1	inin 1/3 Spectrum 9tz 31.5tz 40ts	From Front	e I arace	Tress. Tress. Press.	Langue Langue Langue Langue	Janua Janua Janua Janua	It results must be use	Is now Is now Inc. Inc.	w. Iraw. In	as Tress Ire	FIAN PROM
Penos	(kmhr) Direction (mm) (oC) (%)	y LAMES CAMES CAI	DATO DASO DAS	(incl +2.3 dB	Review		2012 2	912 31.5H2 40H	SUPE GUPE	12 80112	100HZ 125HZ 160H	200FE 250FE 315FE 400FE	500H2 630H2 800H2 14H2	1.25470 1.6670 2470	2.547/2 (3.1547/2 94012) 54	KP1Z 10.3KP1Z 10#	PE 100PE 123	APIZ TOKPIZ
				comecsory 2	3	Comments (dominanthoteworthy sources).												- 1 - 4
06-10-2023 4:30 NgN NML34 NGARA SN:8781B1	2.2 356 0 7.4 2.9 148 0 6.7 8	77 56-	49 23 20 43 29 22	34	Check, above 50 dBA	Dogs barking, LAmax - 4 min excluded		-15 -12 -13 -11	-5 -3	-3	3 3 6	5 5 4 6 1	1 20 30 29 4 15 13 13	23 26 19 1 17 24 22 1	14 11 10	10 10 21 23	11 9	7 5
05-10-2023 4-30 Night NML34 NGARA SNE781B1 05-10-2023 4-45 Night NML34 NGARA SNE781B1 05-10-2023 5-00 Night NML34 NGARA SNE781B1			56 53 25	30 2 47 2	D Ok, 550 dBA C Check, above 50 dBA	LAmax Birds	-	-13 -11 -15 -9	-6 -3	1	7 5 7 5 3 4	5 5 6 10 1 5 5 6 9 1		17 24 22 1: 20 30 31 2			42 23	12 9
06-10-2023 5:15 Night NWL34 NGARA SN:878181 06-10-2023 5:30 Night NWL34 NGARA SN:878181	4.0 12 0 6.9 8 5.4 38 0 7.5 7	1.3 60 -	57 54 32 60 53 33	49	Check, above 50 dBA Check, above 50 dBA	Bird noise dominant LAmex - Exclude		-15 -12 -9 -7	-5 -3	3	6 2 7	8 5 6 8 1 1 10 11 15 2	2 21 32 28 0 35 45 39	25 33 32 3 31 37 37 3	30 32 36 40 33 42	39 45 36 25	44 25	12 9
06-10-2023 5:30 Night NML34 NGARA SN:678181 06-10-2023 5:45 Night NML34 NGARA SN:678181 06-10-2023 6:00 Night NML34 NGARA SN:678181	32 32 0 7.4 8 22 5 0 7.2 8	0.1 69-	56 51 35	48 4	Check, shove 50 dBA Check, shove 50 dBA Check, shove 50 dBA	Bird noise dominant LAmax - Exclude		-11 -7	4 0	3	6 7 7	8 9 13 16 2		30 36 39 3	37 31 36 41 37 41	35 23 36 28	19 16	10 6
06-10-2023 6:00 Night NML34 NGARA SN 878181 06-10-2023 6:15 Night NML34 NGARA SN 878181	2.2 5 0 7.2 8 2.5 356 0 7.6 8	12 68-	62 52 36 62 49 32	50	K Check, above 50 dBA K Check, above 50 dBA	Bird noise dominant, RTN - Esclude		4 5	2 5	10	8 7 10 1	1 16 20 22 3	5 35 42 38 0 29 41 35	25 37 40 4 12 35 43 4		35 25	24 15	9 5
06-10-2023 6:30 Night NML34 NGARA SN:878181 06-10-2023 6:45 Night NML34 NGARA SN:878181	2.5 355 0 7.6 8 0.7 358 0 8.8 7 0.7 281 0 10.6 6	7.7 68 -	59 47 34 53 47 36	47	0 Check, above 50 dBA	Bird noise dominant LAmex - Exclude		4 2	7 9	11 1	15 14 12 1	4 14 16 18 2	0 29 41 35 0 27 37 31 11 29 39 34	25 24 34 3	36 38 42	34 25 38 27 30 21	23 17	13 6
06-10-2023 6-45 MgH NML34 NGARA SN:8781B1 06-10-2023 7:00 MgH NML34 NGARA SN:8781B1	0.7 281 0 10.6 6	59 53-	53 47 36	44	Check, above 50 dBA Check, above 50 dBA	Bird noise dominant LAmex - Exclude		4 4	4 4	7 1	11 11 12 1	3 13 16 19 2	1 29 39 34	34 33 3	30 30 34	30 21 25 25	17 11	8 5
06-10-2023 7:15 Day NML34 NGARA SN:878181 06-10-2023 7:150 Day NML34 NGARA SN:878181	2.9 242 0 10.9 7 4.3 230 0 11.8 6 4.7 195 0 12.7 5	4.6 67	55 50 32	46	5	Birds, RTN - Exclude		-7 0	16 10	12 2	23 18 20 2	3 22 24 24 2	5 33 42 38 9 31 42 35 0 29 43 35	30 33 31 3 25 28 25 2	37 31 34	29 25 28 27	22 13	9 5
06-10-2023 7:15 Day NML34 NGARA SN:878181 06-10-2023 7:30 Day NML34 NGARA SN:878181 06-10-2023 7:45 Day NML34 NGARA SN:878181 06-10-2023 8:00 Day NML34 NGARA SN:878181	4.7 195 0 12.7 5	27 67 -	53 49 33	45	6	Birds, RTN - Exclude		-2 2	12 6	12 1	17 15 18 1	7 15 19 19 2	0 29 43 35	25 25 25 2	34 32 34	28 27	21 11	8 5
06-10-2023 8:00 Day NML34 NGARA SN:878181 06-10-2023 8:15 Day NML34 NGARA SN:878181	4.0 163 0 13.5 3.6 272 0 14.8 5	1.9 72 -	55 50 31 57 49 30 52 42 29	47	12	Birds dominant - Exclude		-3 0 -5 -3	5 9	15 1	18 14 15 1 16 15 14 1	5 15 18 20 2 5 15 17 20 2	11 30 42 33 22 29 39 32 22 25 33 24	25 32 33 4 33 34 40 4 23 29 30 2	34 32 34 31 31 31 34 32 32 27 30 33	33 31 27 23	17 12	8 5
06-10-2023 8:15 Day NML34 NGARA SN:8781B1 06-10-2023 8:30 Day NML34 NGARA SN:8781B1	6.1 158 0 15.3 4 4.0 160 0 16.4 4	5.6 60-	52 42 29 59 44 29	40	4	Birds, Aircraft - 3 min excluded	-	4 3	2 8	12 1	16 15 25 2	0 18 19 21 2	2 25 33 24	23 29 30 2 30 39 40 3	27 30 33	27 20 25 21	16 10	8 5
06-10-2023 8:45 Day NML34 NGARA SN:878181	4.0 144 0 17.2 4	4.1 72 -	69 51 30	55		Local Engine Noise - 3 min excluded		3 6		21 3	11 28 30 3	0 21 21 23 2 3 33 35 34 3	2 24 26 28 6 36 38 41	17 47 48 4	36 37 31 46 42 39	36 32	26 19	12 6
06-10-2023 9:00 Day NML34 NGARA SN:8781B1 06-10-2023 9:15 Day NML34 NGARA SN:8781B1		5.4 62-	54 49 29	44	15	Birds dominant, RTN - Exclude Birds Jonal angine noise - Fankste	-	-2 0	6 8 16 28	10 1	19 16 15 1	4 13 15 19 1	9 28 42 32		27 24 33	33 34	23 13	9 5
06-10-2023 2-30 Day NML34 NGARA SN-8781B1 06-10-2023 2-45 Day NML34 NGARA SN-8781B1	4.3 177 0 18.5 5 5.4 235 0 19.2 5 6.5 11.2 0 19.8 5 4.7 91 0 20.5	13 57-	57 51 33 52 45 28 56 52 33	41 4	10	RTN, local engine noise - Exclude		-3 -1 0 4	3 6	8 1	16 12 15 1	2 32 35 35 3 9 19 20 22 2 5 15 16 19 2	9 27 37 31	00 32 30 2 11 31 30 3	46 42 40 28 28 28 30 36 38	21 21 25 22	18 12	10 6
06-10-2023 9:45 Day NML34 NGARA SN:878181 06-10-2023 10:00 Day NML34 NGARA SN:878181	6.5 112 0 19.8 5 4.7 91 0 20.5 4	56 61-	56 52 33 56 49 32	45		Bird and engine idling noise (15mins excluded) Bird noise - 5 min excluded	-	9 4	9 8	9 1	17 14 12 1 18 11 12 1	5 15 16 19 2	2 31 46 38 4 30 39 35	31 31 30 3 37 34 34 3	30 36 38	25 22	19 12	10 6
06-10-2023 10:15 Day NAL34 NGARA SN:8781B1 06-10-2023 10:30 Day NAL34 NGARA SN:8781B1	5.0 65 0 21.3 4 6.1 96 0 21.6 4		60 46 31	47		Aircraft - 4 min excluded Aircraft, Birds - 5 min excluded		0 2	4 7	13 2	35 25 26 2 71 19 18 2	6 23 33 29 2 3 24 30 31 3	9 30 34 32 2 33 37 33	31 35 35 4 31 35 33 3	41 30 27 30 28 30	24 22 27 24	19 16	12 7
		4.7 56	54 48 30	10	9	Aircraft, Birds - 5 min excluded	+	10 11	13 18	17 2	23 19 18 2	2 10 14 19 1			24 24 28	27 24	22 22	22 13
06-10-2023 11:00 Day NML34 NGARA SNE781B1 06-10-2023 11:15 Day NML34 NGARA SNE781B1 06-10-2023 11:10 Day NML34 NGARA SNE781B1	5.4 59 0 22.1 4 4.7 67 0 23.3 4	3.8 58	48 40 28 50 42 26	38 :	50			0 2	4 6	8 1	17 13 12 1	3 13 14 16 1	9 20 24 24 11 20 24 25 10 32 34 35	25 25 25 2 25 25 31 2	28 29 29 31 30 25	29 26 22 20	22 16	14 7
05-10-2023 11:15 Day NML34 NGARA SN 678181 05-10-2023 11:30 Day NML34 NGARA SN 678181			50 42 26 61 45 29	38 46	14	Local Engine Noise - 1 min excluded	+	-1 2 4 8	3 3	6 1	16 7 7 22 26 22 2	9 11 12 16 2 7 27 27 29 3	11 20 24 26 0 32 34 36	26 28 31 2 38 38 38 3	31 30 25 35 33 30	22 20	19 18 24 19	15 8
05-10-2023 11:45 Day NML34 NGARA SN:8781B1	6.5 221 0 22.9 4		56 50 32	47	14	Local Engine Noise - Excluded		9 14	8 16	23 2	24 27 31 3	1 31 33 34 3	H 32 34 33	25 26 35 3	34 35 32	35 35	29 19	14 5
06-10-2023 12:00 Day NML34 NGARA SN:678181 06-10-2023 12:15 Day NML34 NGARA SN:678181	3.6 276 0 24.3 3	13 53 - 42 77 -	59 58 53 68 53 28	56	4	Local Engine Noise - Excluded Local Engine Noise - Excluded	-	7 20 6 13	20 23	29 2		0 48 50 39 3 8 41 45 42 4	9 39 39 41 3 44 44 45	G 45 45 4 6 46 45 4		37 32 33 29		13 7
05-10-2023 12:30 Day NML34 NGARA SN 5761B1	4.3 136 0 22.5 4 4.0 35 0 24.5 6.8 136 0 24.8 3	2.3 57 -	50 38 29 52 40 28	38 :	14			1 3	7 8	9 1	20 17 19 2	1 20 21 23 2 8 22 23 21 2	2 22 24 25	26 27 27 2	27 29 27 25 24 27	26 23		11 7 21 9
05-10-2023 12:45 Day NML34 NGARA SN:878181 05-10-2023 13:00 Day NML34 NGARA SN:878181	4.0 35 0 24.5 6.8 136 0 24.8 3	38 61 - 5.7 63 -		39 3	13		+	-2 1 -1 3	5 6	9 1	17 15 17 2	1 22 26 27 2	5 26 27 28	25 25 25 2	33 32 35	29 25	27 22	21 9 13 8
06-10-2023 13:15 Day NML34 NGARA SN:8781B1	2.2 176 0 25.5 3	53 63-	49 41 31	39	86			5 7	8 10	17 2	24 22 19 2	1 21 22 22 2	3 25 28 29	29 25 25 2	28 25 27	25 24	19 15	11 8
06-10-2023 13:30 Day NML34 NGARA SN:678181 06-10-2023 13:45 Day NML34 NGARA SN:678181	5.5 149 0 24.1 3 2.5 241 0 24.2 3	7.3 59 - 5.2 56 -	53 42 29 43 39 29	41 36 3	4	aincraft noise - 2 min excluded	+	5 7	7 9	7 1	13 24 35 3 14 9 10 1	2 18 31 27 2 0 12 14 18 1	5 24 31 28 9 23 30 27	25 25 2 24 24 24 2	27 29 26 23 24 24	24 22 19 18	10 16	12 8
	7.2 251 0 256 3		46 40 30	37	4			5 7	8 8	10 1	16 13 15 1	7 17 16 20 2		25 27 27 2		22 21	18 15	11 7
06-10-2023 14:15 Day NML34 NGARA SN:5781B1 06-10-2023 14:30 Day NML34 NGARA SN:5781B1	11.9 272 0 25.3 3 11.2 221 0 25.4 3	24 57	45 39 27 47 40 28	37	9		+	2 4	5 6	8 1	15 15 14 1 15 10 11 1	7 16 18 19 2 2 13 14 17 1	11 22 23 25 9 20 22 25	27 27 2 25 30 29 2	24 23 21 25 26 25	24 22	21 14	10 7
		0.9 61 -	50 40 29	39	4			3 4	5 5	13 1	16 21 19 1	4 15 15 17 1	8 21 29 29	22 30 31 3	26 26 29	24 21	18 15	12 7
06-10-2023 14450 Day NML34 NGARA SHERRIBII 06-10-2023 15:15 Day NML34 NGARA SHERRIBII 06-10-2023 15:15 Day NML34 NGARA SHERRIBII 06-10-2023 15:45 Day NML34 NGARA SHERRIBII 06-10-2023 15:45 Day NML34 NGARA SHERRIBII	5.8 194 0 25.5 3 7.6 236 0 25.9 2	9.7 56 - 9.7 54 -	49 39 27 49 43 27	30 3	17		+	0 3	4 4	8 1	15 7 8 19 18 13 1	9 10 11 19 2 0 10 12 16 1	1 22 31 30 8 22 34 30	35 25 25 2 35 25 29 2	26 24 23 27 27 24	22 19 20 18	17 13	11 7
05-10-2023 15:30 Day NML34 NGARA SN:5781B1		22 66 -	54 46 28	44	7	aincraft noise - 1 min excluded		0 2	3 4	10 1	18 19 24 2	0 17 27 26 2 0 22 22 24 3 6 26 25 26 3 5 6 8 12 1	5 28 34 29 4 26 31 30 8 30 32 33	24 25 28 2 30 32 33 3	32 36 39	33 26	25 16	11 6
06-10-2023 15:45 Day NML34 NGARA SN 8781B1 06-10-2023 16:00 Day NML34 NGARA SN 8781B1	8.3 163 0 25.4 8.3 226 0 25.9	29 70-	58 46 32 60 49 30	46	4	Local Engine Noise - 1 min excluded	+ +	3 4	7 9	14 1	16 15 17 2 18 18 22 2	0 22 22 24 2 6 26 25 26 2	94 26 31 30 25 30 32 33	90 32 33 3 32 32 33 3	36 36 42 38 39 42	35 25	24 20	16 7
05-10-2023 16:00 Day NML34 NGARA SN:8781B1 05-10-2023 16:15 Day NML34 NGARA SN:8781B1	8.3 207 0 25.6 2 9.0 207 0 25.6 2	2.5 50 -	50 45 27	41	19	Bird Noise Dominant (bigeon)		4 0	1 0	5 1	16 4 4				30 30 31	23 18	15 10	8 6
06-10-2023 16:30 Day NML34 NGARA SN 8781B1 06-10-2023 16:45 Day NML34 NGARA SN 8781B1		25 54-	50 45 30 56 47 30	41 4	12	Bird Noise Dominant (pigeon) Bird Noise Dominant (pigeon)	+ +	5 5	8 10	12 1	15 9 10 1 18 18 23 2		2 26 37 33 8 31 38 35	35 25 25 2 34 33 32 3	25 30 26 31 32 35	29 24	20 14	10 6
05-10-2023 10:45 Day NML34 NGARA SN:8781B1 05-10-2023 17:00 Day NML34 NGARA SN:8781B1	9.4 212 0 25 3	0.2 59 -	53 45 29 57 46 31	42 4	10	Bird Noise Dominant (pigeon), RTN		4 4	4 7	19 2	24 21 17 2	1 20 20 24 2	4 28 36 33	12 31 31 2	31 32 35 28 31 30	27 20	17 12	10 6
05-10-2023 17:15 Day NML34 NGARA SN:878181 05-10-2023 17:30 Day NML34 NGARA SN:878181				42	3	Engine noise, RTN - 3 min excluded RTN, Birds - Exclude	-	-1 3	3 5		23 22 20 2 15 9 11 1	2 22 22 23 2	94 27 35 33 85 30 40 36 11 32 35 35	31 31 31 3 33 32 32 3				11 6
05-10-2023 17:30 Day NML34 NGARA SN:676181 05-10-2023 17:45 Day NML34 NGARA SN:676181 05-10-2023 18:00 Day NML34 NGARA SN:676181	9.0 193 0 24 3 5.8 202 0 23.6 3 6.5 190 0 22.6 3	22 70-	58 50 31 63 55 28	51		RTN - 2 min excluded RTN - 2 min excluded		-11 -6	-7 -4	4 1	18 14 13 1	1 12 14 20 2 2 15 17 30 2	11 32 35 35	33 32 32 3 37 35 37 4	37 39 40 42 46 46 31 31 36	35 29 39 33	29 22	12 6
06-10-2023 18:00 Day NWL34 NGARA SN878181 06-10-2023 18:15 Evening NWL34 NGARA SN878181 06-10-2023 18:30 Evening NWL34 NGARA SN878181	6.5 190 0 225 3 4.7 195 0 219 3 5.4 199 0 213 3	44 57	52 45 28	41			_	-17 -13	-7 -3	3	5 5 7 1	0 11 9 16 1	8 17 21 24 4 26 30 32	25 26 30 3 21 30 28 2	30 35 35	29 24	19 11	8 5
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	5.8 193 0 19.3 3 7.9 151 0 18.7 3	28 44	43 42 35 51 45 31	40 2	20	Aircraft, RTN - 5 min excluded		-16 -12	9 -5	21 1	5 2 6	7 3 4 7 1	0 12 11 9 8 31 31 32	8 8 10 1	30 40 22 29 33 21	11 12	11 9	8 5
06-10-2023 19-45 Swering MM.34 NGARA SN.6761B1 06-10-2023 20:00 Swering MM.34 NGARA SN.6761B1 06-10-2023 20:01 Swering MM.34 NGARA SN.6761B1	9.7 130 0 18.6 3 10.1 81 0 19.1 5	5.5 38 -	33 31 26	29 2	0	Alban, Kite's this biosolis		-15 -16	-9 -3	5 1	1 5 7	9 8 10 12 1	2 12 11 10	9 10 11 1:	20 24 22 23 24 22	12 12	11 9	8 5
06-10-2023 20:00 Evening NML34 NGARA SN:5781B1 06-10-2023 20:15 Evening NML34 NGARA SN:5781B1	10.1 81 0 19.1 5 9.0 77 0 19 6	15 43-	39 32 27 51 34 27	31 2	14	Aircraft noise - 2 min excluded		-16 -13 -	10 -5	-2	0 0 2	5 7 8 11 1 5 22 23 26 3	4 15 18 20 0 28 28 28	20 19 17 1		15 13	12 10	8 5
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06-10-2023 21:30 Evening NML34 NGARA SN:8781B1 06-10-2023 21:45 Evening NML34 NGARA SN:8781B1	9.4 76 0 16.9 7 6.8 83 0 16.4 7	47 42-	38 33 25 43 26 24	29 1	n e		-	-19 -17 -	10 -2	-3	0 1 -2	0 2 3 5	8 10 13 16	19 18 16 1:	26 20 18	12 11	11 9	7 5
			45 39 26	36	9	RTN, Wind, Aircraft - 4 min excluded		1 3	4 7	9 1	11 15 19 2	1 17 18 22 2	2 23 26 28	85 25 25 2	25 25 24	22 21	19 15	11 7
06-10-2023 22:15 Night NML34 NGARA SN:8781B1 06-10-2023 22:30 Night NML34 NGARA SN:8781B1	6.1 85 0 15.9 7 8.3 84 0 15.7 7 9.0 62 0 15.5 7 9.0 61 0 15.5 7 8.6 78 0 15.4 9.7 77 0 15.4 7	56 50-	42 37 30 43 36 27	35	Ok, 550 dBA Ok, 550 dBA	wind noise, vehicle passby - 1 min excluded Helicopter Byover - 3 min excluded	+	0 1	3 6	8 1	11 12 14 1	4 14 15 17 1 7 19 18 20 2	9 21 24 26 4 24 23 20	24 23 22 2 17 15 16 1	27 24 23 24 20 18	21 20 16 15	18 15	14 7
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			33 30 25	28 2	D Ok. 550 dBA			-7 -6	3 1	2	4 5 6	5 9 9 11 1	3 14 14 14	14 14 15 1	19 19 18	16 15	13 12	15 8
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07-10-2023 0:15 NgM NML34 NGARA SN:878181	10.4 73 0 15.2 8	1.6 33 -	31 29 25	27 2	2 Ok, 550 dBA			-15 -9	-6 -2	0	1 2 3	6 8 9 11 1	2 14 14 14	3 13 14 1	19 18 16	15 14	13 10	8 5
07-10-2023 0:30 Nghi NML34 NGARA SNE78181 07-10-2023 0:45 Nghi NML34 NGARA SNE78181 07-10-2023 1:00 Nghi NML34 NGARA SNE78181		82 46 - 82 39 -	33 29 23 34 27 21	27 2	04 Ok, 550 dBA 10 Ok, 550 dBA		+	-3 1 -4 -15	-6 3 -7 -1	3	5 12 7 7 10 8	8 9 9 12 1 9 11 10 10 1	3 14 15 14 1 12 12 9	3 13 14 1: 8 8 9 1:	17 17 16 13 16 16	14 13	12 10	9 5
07-10-2023 1:00 NgH NML34 NGARA SN:678181	10.4 77 0 15.1 2.0 77 0 14.9 8.	27 36-	28 23 21	23	5 Ok, 550 dBA			-21 -17 -	10 -6	4 .	3 3 2	0 2 3 4	5 6 6 6	6 7 8	11 15 14	12 11	11 9	7 5
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07-10-2023 2-30 Night NML34 NGARA SN 878181 07-10-2023 2-45 Night NML34 NGARA SN 878181	5.8 83 0 14 8 5.1 80 0 13.7 8	5.1 45	23 21 20	22	5 Ok, 550 dBA It Check, above 50 dBA	LAmax due to Insect noise	-	-19 -16	-5 -4	0	1 1 1 -	1 1 2 4	4 4 5 5	5 6 7	9 12 11	10 10	11 14	11 5
07-10-2023 2:45 Night NML34 NGARA SN:878181 07-10-2023 3:00 Night NML34 NGARA SN:878181 07-10-2023 3:15 Night NML34 NGARA SN:878181	5.1 80 0 13.7 8 5.1 87 0 13.6 8 5.4 95 0 13.3 7	25 55-	31 23 21	25	Check, above 50 dBA Check, above 50 dBA	LAmax due to Insect noise LAmax due to Insect noise	+ +	-16 -12	-6 -1	6	7 11 3	1 2 4 5	8 8 8	6 7 8	9 11 11	10 10	11 21	19 5
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07-10-2023 3:30 Neght NML34 NGARA SN:678181 07-10-2023 3:45 Neght NML34 NGARA SN:678181 07-10-2023 4:00 Neht NML34 NGARA SN:678181	5.8 95 0 13.1 7: 5.8 90 0 13.1	72 36 -	24 22 20 25 23 20	21	77 DK, 550 dBA 15 DK, 550 dBA 15 DK, 550 dBA			-17 -12 -16 -11	1 4	4	5 2 2	1 3 6 7	8 8 6 6	5 6 7 6 7 8	9 10 10	10 10	11 9	8 5
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07-10-2023 12:30	Day	NML34 NML34	NGARA SN 878181 NGARA SN 878181	12.6 10.8	94 93	0	20.8	51.1	75		55 55	52 52			66 65	Wind in tress dominant - Exclude Wind in tress dominant - Exclude		20	20 22	21 22 23 24			24 26 26 27	28 21 29 31				40 40	35 3	5 38	35 35 35 37	36 3	33	
07-10-2023 13:00	Day	NML34 NML34	NGARA SN 878181 NGARA SN 878181 NGARA SN 878181	9.7	25	0	21.3 21.5 21.6	45.7	79		55	47 49	41 47 39 52 39 46		60	Wind in tress dominant - Exclude Wind in tress dominant - Exclude		19	16	19 19		22 20 22	23 24	26 Z	28 26 28	31 33 3 27 29 3	36 38 32 33 33 36	34 34	35 3 35 3	2 33	35 45	35 X	30	27 22 15 26 20 14 26 21 15
07-10-2023 13:45	Day	NWL34	NGARA SN 878181 NGARA SN 878181 NGARA SN 878181	11.2	87 87	0	22.5 22.7	44.5	65 65		54	45	37 45 40 47		41 40 62	What in trees dominard - Exclude What in trees dominard - Exclude What in trees dominard - Exclude		54	16	19 20 17 17 20 21	18	20 23	23 23 21 23	24 2 24 2	26 29	27 29 3	33 34 33 34 34 37	25 35	35 3	5 34	33 33	32 X	28	26 21 12 24 19 12 27 22 16
07-10-2023 14:15	Day	NWL34	NGARA SN:878181 NGARA SN:878181	11.5 13.0	90 78		22.4		61 69		53	49 50	38 46 39 47		0	Wind in tress dominant - Exclude Wind in tress dominant - Exclude		12	18	19 20 17 18	21	22	24 25 23 25	26 Z 27 Z	25 25	29 31 3 29 31 3	33 35 36 37	35 35	34 3 36 3	34	34 34 35 34	34 X	31	27 21 15 26 21 15
07-10-2023 14:45 07-10-2023 15:00 07-10-2023 15:15		NML34 NML34	NGARA SN:8781B1 NGARA SN:8781B1 NGARA SN:8781B1	11.9 12.6	85 84	0	22.8 22.1	42.3 44.7	67 66		52	45 49	36 45 37 45 39 46		41	Wind in tress dominant - Exclude Wind in tress dominant - Exclude		17	18	19 20 19 15	21	22	23 25 23 25	26 2 26 2	27	28 30 3 29 30 3	33 35	25 25	33 3 34 3	2 33	33 32 34 33	32 3 33 3	29	25 20 14 26 21 14
07-10-2023 15:30	Ony	NWL34	NGARA SN 8781B1	11.9	64 81	0		43.5	72		56	49 49	37 49		e •	Wind in trees dominant - Exclude Wind in trees dominant - Exclude		17	18	20 21	21	22	23 24 25 27	26 2 30 3	33		35 36 38 39	37 37	36 3	7 37	35 35 36 37	35 3	30	26 21 14
07-10-2023 15:45 07-10-2023 16:00 07-10-2023 16:15	Day	NWL34	NGARA SN:878181 NGARA SN:878181 NGARA SN:878181	10.8	73	0 0	21.9 22.5	43.7 42 44.6	54 74		55	45	39 45 39 46		40 10	What in trees dominard - Exclude What in trees dominard - Exclude What in trees dominard - Exclude		11	13	14 15	19	16	23 24 17 19	20 Z 21 Z	30 24	29 29 3 26 29 3 25 27 2	35 35 35 35	34 33	33 3	2 35	39 35	33 X	27	24 19 12 24 18 12 25 18 11
07-10-2023 16:30 07-10-2023 16:45			NGARA SN:878181 NGARA SN:878181	10.4	50 55	0		47.4 47.1	67 60		55	52	37 48 35 46		29 C2	Whild in tress dominant - Exclude Whild in tress dominant - Exclude Whild in tress dominant - Exclude		12	14	15 17	17	18	19 21	23 2- 24 21	24	26 28 2 29 31 3	32 33 35 35	32 33	34 3 35 3	7 41 3 35	44 40 35 35	37 3 34 3	28	24 18 12 27 21 15
07-10-2023 17:00	Day	NRR 74	NGARA SN 878181 NGARA SN 878181 NGARA SN 878181	10.1	87 87	0	20.3 20.4	42	55		54 61	50 54	41 47 40 51 47 53		65 67	Wind in tress dominant - Exclude Wind in tress dominant - Exclude		17	19	20 21	21	21	22 24 21 23 26 27	25 Z 25 Z	27	29 31 3 30 32 3 34 36 3	41 37 44 41	35 35	35 3	36	35 35 40 45	34 X 40 3	30	27 21 15 28 23 16 33 27 21
				13.3 13.7	77	0 0	19.7	56.5 50.5	55 70		59	51	45 49		44 44	Wind in tress dominant - Exclude Wind in tress dominant - Exclude		21 12	24 21	25 26 22 22	25	25	25 27 23 24	30 X 26 Z	29	31 33 3	37 39	35 35	32 3	7 38	39 37	36 3	38	29 24 17
07-10-2023 18:00 07-10-2023 18:15	Evening	NML34 NML34	NGARA SN 878181 NGARA SN 878181 NGARA SN 878181	13.7	77 80	0	18.1	65.4	55		55	49 47	41 47 39 44 41 45		C 23	Wind in trees dominant - Exclude Wind in trees dominant - Exclude		12	18	19 20 15 16	20 16 20	20 17	21 23 19 20	24 21 22 2-	27 25	29 30 3 26 28 3	35 35 32 34	35 25	35 3 33 3		37 38 34 33	36 X	27	26 21 15 24 19 12
07-10-2023 18:45	Evening	NML34	NGARA SN:8781B1	15.1	75	0	16.8	71.4	50		47	45	10 41		38	What in trees dominant - Exclude What in trees dominant - Exclude What in trees dominant - Exclude		11	13	13 14	16		19 22	23 2	26	27 28 2	30 31	31 31	31 3	36	33 31	29 2	25	20 21 14 22 22 18 11
			NGARA SN:8781B1 NGARA SN:8781B1 NGARA SN:8781B1	12.2	81		16.5 16.1 15.9				42	39	37 40 36 38 36 41		12	Wind in trees dominant - Exclude Wind in trees dominant - Exclude Wind in trees dominant - Exclude			4 7	5 7	9 10	11	12 13	15 1	17	21 23 2 19 21 2 21 24 2	24 25 31 29		26 2 24 2 29 2		28 27	25 2 23 2 25 2 24 2	20	17 16 S
07-10-2023 19-45 07-10-2023 20:00	Evening	NWL34 NWL34	NGARA SN 878181 NGARA SN 878181 NGARA SN 878181	12.6 13.7	79 80	0.0	15.8	78 78.3	51		51 46	42 39	35 41 35 38 35 38		22	Wind in trees dominant - Exclude Wind in trees dominant - Exclude	Ŀ	E	5	7 S	11	13 12	14 17 13 14	17 1/ 15 1/	18	21 23 2 20 22 2 21 23 2	33 30 27 29	30 34 28 28	28 2 26 2 27 2	7 30 5 29	27 27 26 25	24 Z 23 Z	21	
07-10-2023 20:15	Evening	NML34 NML34	NGARA SN 878181 NGARA SN 878181	12.5	81 80	D	15.5 15.4	78.7	3		44 45	40			34 34	Wind in trees dominant - Exclude Wind in trees dominant - Exclude			9 10	10 11 11 12	12	14	15 16 17 18	18 11 20 2								25 2 28 2	21	18 16 9 21 19 12
07-10-2023 20-45	Evening	NML34	NGARA SN 878181 NGARA SN 878181 NGARA SN 878181	13.0	77	0	15.2	78.6	45 52		46	41	35 39		36 35	Wind in tress dominant - Exclude Wind in tress dominant - Exclude		- 1	13	9 11	15	15	17 19	20 2 18 11	20	24 26 2 22 24 2	29 30 27 29	25 25	29 2 27 2	7 29	25 27	25 25	24	21 16 10 19 15 9 22 20 12
07-10-2023 21:30	Evening	NWL34	NGARA SN 878181 NGARA SN 878181 NGARA SN 878181 NGARA SN 878181	12.6	77	0 0	15.1 14.9	75.3 75.1	55 52		45	45 44	35 42 39 42		38	What in trees dominard - Exclude What in trees dominard - Exclude What in trees dominard - Exclude		12	14	14 12 15 16	16	18	17 19 19 21 21 21	21 Z 22 Z 24 2	23 24	25 27 2 26 27 2	31 33 31 32	32 33	31 3	31	31 30	28 Z 29 Z	25	22 17 11
07-10-2023 22:00	Evening	NML34 NML34	NGARA SN 878181 NGARA SN 878181	13.0	74 74	0	14.8 14.7	75.2 75.2	54 56		49	44	41 45 37 42 37 41		37 Check, above 50 dBA 34 Ck. 550 dBA	Wind in trees dominant - Exclude Wind in trees dominant - Exclude		12	14	15 16	16		19 21	22 Z 21 Z	27 24 23	24 25 2	31 32	32 31 30 30	34 3 31 3	34 31 30	31 30	29 21 28 2	29 25 25	23 18 11
07-10-2023 22:30	Night Night	NML34 NML34	NGARA SN 8781B1 NGARA SN 8781B1 NGARA SN 8781B1	11.5 11.2	72 76	0	14.5 14.4 14.2	77.9 78.5	48 54		43 42	41 37 36	37 41 34 30 29 35 29 34		Check, above 50 dBA	Wind in tress dominant - Exclude Wind LAmex, Wind noise dominant - 2 min excluded			9 8	9 10	12	14	16 18 13 14	18 11	20 17 14 17	22 23 2 19 21 2 17 19 2	30 30 27 27 24 24 22 22 25 25	27 27 22	25 2 23 2 21 2	27 3 24 2 23	27 26 24 23	25 2 22 2 21 11	21 19	18 13 8 15 11 6
07-10-2023 23:00	Night	NML34	NGARA SN 878181 NGARA SN 878181	13.7 13.0	75 76	0	13.9	79.7	56 44		39 41	35 39			Check, above 50 dBA	Wind noise LAmax Wind noise - 5 min excluded		"	5	5 7	8	10	10 11 11 13	12 1: 15 1:	14	17 19 2 19 21 2	22 22 25 25	22 21	21 Z 24 2	2 23	23 22 25 24	21 11 23 2	17	14 23 17 16 11 6
07-10-2023 23:30	Night Night	NML34 NML34	NGARA SN:878181 NGARA SN:878181	9.7	80 82	0	13.7 13.5 13.3	80.4 81.2			40	35 35	32 36 28 34 29 33		Check, above 50 dBA 11 Ok, 550 dBA 27 Check, above 50 dBA	Wind noise - 1 min excluded Wind noise			2	3 5	5 6	8	13 14	16 1	15	20 22 2 19 21 2	25 25 23 23 22 24	25 24	24 2 22 2 20 2	25 23	25 24 23 23	23 2	19	16 12 7 15 11 6
08-10-2023 0:15	Night	NWL34	NGARA SNE78181 NGARA SNE78181 NGARA SNE78181 NGARA SNE78181 NGARA SNE78181	9.7	79	0	13.2 13.1	81.5	35		34	31 29	27 29 27 29 25 27		OK, SSO dBA		=	- 4	- 6	-3 2	2	7	6 6	9 1	12			18 17 15 15				17 16 15 1-	13	12 9 5 11 8 5 10 8 5
08-10-2023 0:45 08-10-2023 1:00	Night	NWL34	NGARA SN 878181 NGARA SN 878181	7.2	76	0	13	82.9	51		41	34	25 32 25 28		29 Check, above 50 dBA 24 Ok, 550 dBA	LAmax due to Insect		-10	3	6 7	5	9	8 11	10 1	13	14 17 2 12 14 1	22 23	22 22	21 2	1 20	20 18	17 15	13	10 8 5
08-10-2023 1:15 08-10-2023 1:30	Night	NWL34	NGARA SN:878181 NGARA SN:878181	7.9 7.9	82 77	0	12.5	83.9 84.4	27		25	25 24	23 24 21 23 22 23		21 Ok, 550 dBA 20 Ok, 550 dBA		1	-17 -17	-14 -13	-7 -1 -4 1	-3 2	8	0 2 5 4	5 :	7 8	9 11 1	13 13 10 9	12 11 9 5	12 1: 9 1:	13	14 13 12 11	12 1; 11 1	11	9 7 5
08-10-2023 1:45 08-10-2023 2:00	Night Night	NML34 NML34	NGARA SN 878181 NGARA SN 878181 NGARA SN 878181 NGARA SN 878181	7.9 6.5	50 55	0	12.6 12.6 12.2 12.1	54.4 54.2	35 45		25	23	22 23 21 23 22 23		20 Dk, 550 dBA 17 Dk, 550 dBA 20 Dk, 550 dBA			-17	-11 -16	-1 2 -6 -1	-2	-1	3 2	2 .	5	9 8 6 7	5 5	8 8	9 1	11	11 11	11 1	11	10 8 5 11 12 6
08-10-2023 2:30	Night	NWL34	NGARA SN 878181	43	91	0	12.1	55.5 87.3	32		27	24			19 Ok, 550 dBA		=	-10	-13	5 1	- 3	-	5 7	3	7	7 8 1	10 10	9 5	10 1 10 1	11	12 12	11 1	11	9 8 5
08-10-2023 3:00 08-10-2023 3:15	Night	NWL34	NGARA SN 878181 NGARA SN 878181 NGARA SN 878181	5.0	79	0	12.1 12.1 12.1	87.1 87.2	47		27	24	21 23 21 23 21 22		15 Ok, 550 dBA 20 Ok, 550 dBA 19 Ok, 550 dBA			-10 -10	-13 -11	6 1	8	8	11 4	3	ē	8 8	7 7	7 8	9	10	11 11	11 1	11	12 15 6
			NGARA SN:8781B1 NGARA SN:8781B1 NGARA SN:8781B1	7.2 6.1	77 81	D	12.4 12.3 12.2	85.7	3		51 25	33 23 25	21 37 21 22 22 24		25 Check, above 50 dBA 15 Ok, 550 dBA 12 Ok, 550 dBA	RTN LAmax - 2 min excluded	1	-11 -15	.7 -16	3 8	5 5	10	6 7 3 -1	9 1	18	20 29 3 7 8	26 29 8 8	30 27 8 5	27 Z	1 11	14 13 11 11	12 1; 11 1	11	9 7 5
08-10-2023 4:00 08-10-2023 4:15	Night Night	NML34 NML34	NGARA SN 878181 NGARA SN 878181	5.1	82 77	0.0	12.2	85.6	N S		25	25 28	23 25		22 Ok, 550 dBA			-45 -45	-14 -10	7 -2 4 -0	4	-1	4 1	5		8 9 1 10 12 1	10 10	10 10	11 1; 13 1-	13	13 13 15 15	12 12 14 13	11	9 7 5
08-10-2023 4:30 08-10-2023 4:45	Night Night	NML34 NML34	NGARA SN 878181 NGARA SN 878181 NGARA SN 878181 NGARA SN 878181	5.8	81 73	0	12.1 12 11.9	85.6 85.6	50 46		30	25 30	22 25 22 28 28 48		21 Ok, 550 dBA 21 Ok, 550 dBA 24 Check, above 50 dBA			-12 -13	-15 -14	7 -1	- 3	-1	1 1	4	5	8 9 1 9 10 1	15 13	11 15	12 1: 21 1: 32 2	13	13 15 14 16	14 17	11	9 7
08-10-2023 5:15 08-10-2023 5:15	Night	NML34 NML34	NGARA SN 878181 NGARA SN 878181	4.7	70 82	0.0	11.7	55.2 55.6	61 67		57	53	29 48 27 45		25 Check, above 50 dBA 30 Check, above 50 dBA	Bird LAmex Bird LAmex	-	-17	-13 -14	8 3	4	2	2 0	3	6	7 9 1	15 15 19 19 27 28	22 27	28 Z	31	39 42 34 40	35 40 30 2	41	23 11 6
				5.8 4.0	76 22	0	11.7	55.6 57.4	57		62 62	48 51	30 48					-10 -14	-15 -10	-6 -1	3	5	3 1 6 13	4 -	13	10 15 2 16 21 3	40 36 43 36	25 27	29 3 32 3	39	35 42 40 45	40 21 41 3	22	17 13 5 19 13 6
08-10-2023 6:15 08-10-2023 6:30	Night Night	NML34 NML34	NGARA SN 878181 NGARA SN 878181 NGARA SN 878181	3.2 5.8	110	00	13.1	87.1 82.3	2 3		57 58	57 53	34 55 30 48		Check, above 50 dBA Check, above 50 dBA	Bed noise dominant, Bed L'Areax - Exclude Bed noise dominant, Bed L'Areax - Exclude Bed noise L'Areax - 5 min excluded		-40 -4	-9	-1 4	5	13	10 14 10 8	9 1	17	20 22 2 15 16 2	30 32 33 28	34 35 24 30	33 3		47 51 44 38	47 X	25	27 21 S 21 12 E
08-10-2023 E-45 08-10-2023 7:00 08-10-2023 7:15	Note	NWL34	NGARA SN 878181 NGARA SN 878181 NGARA SN 878181	9.4 8.6	79 55	0	14.1	73.6	55		50	53 49	31 49 32 47		Check, above 50 dBA Check, above 50 dBA	Bird noise LAmax - 5 min excluded Bird noise dominant, Bird LAmax - Exclude		- 4	- 4	1 1	5	10	9 9	12 1: 11 1:	14	16 18 2 17 20 2		26 X 29 37	29 4	37	36 36	40 X	27	21 14 6 15 10 6
08-10-2023 7:30	Day	NML34	NGARA SN 878181 NGARA SN 878181	11.5	90 93	0 0	15.6 15.6	55.5 55.2	57 53		56	49	33 40 39 46 42 49		99 60	Wind noise dominant - Exclude Wind noise dominant - Exclude		1	16	17 17 16 17	12 17	18	19 20 19 21	23 2- 24 2:	20 25 26	22 23 2 27 29 3 29 31 3	27 28 33 33 35 35	20 X	31 3 37 3 36 3	34	35 36 43 42	28 25 36 X 37 X	28	19 14 8 25 19 12 27 21 14
08-10-2023 8:00 08-10-2023 8:15	Owy	NML34	NGARA SN:878181 NGARA SN:878181	11.5	90	0	17	53.7 51.4	67		54	52	44 50 42 48		6	Wind noise dominant - Exclude Wind noise dominant - Exclude		10	21	22 22	22	23	28 37 23 24	30 3i 26 2i	34	33 34 3 30 32 3	37 38 36 37	35 35	38 3 37 3	41	42 40 35 35	37 36 36 3	33	29 23 17 28 23 16
06-10-2023 5:30 06-10-2023 5:45	Day	NML34 NML34	NGARA SN:878181 NGARA SN:878181	13.3 11.2	85 82	0	17.7	60.1	10		56 64	52 52	45 50 42 52		6	Wind noise dominant - Exclude Wind noise dominant - Exclude		20	22 .	24 24 21 21	24 21	24 22	24 25 22 24	28 2 26 2	30	32 35 3	39 39	39 35		200	38 38 37 39	37 36 43 46	35	30 24 18 36 23 17
08-10-2023 9:00 08-10-2023 9:15 08-10-2023 9:30	Day	NML34 NML34	NGARA SN:8781B1 NGARA SN:8781B1 NGARA SN:8781B1	12.6 13.7	103	0 0	18.4 18.5 18.9 19 19.5	55.7 54.3	55 52		54 57	49 51	41 46 42 48 42 47		0 4	Wind noise dominant - Exclude Wind noise dominant - Exclude		10	20	21 21 22 23	21	22 23 21	23 25 23 24	26 2 26 2	25 29	30 32 3 31 33 3 29 31 3	35 37 36 37	35 32	35 3 37 3 35 3	35	35 36 37 37	33 X 36 X 36 X	30	26 21 14 29 24 17 27 22 15
05-10-2023 9:45	Day	NWL34	NGARA SN 878181 NGARA SN 878181 NGARA SN 878181 NGARA SN 878181	13.0	105	0	19.5	51.7	65		57	52	45 50		4	Wind noise dominant - Exclude Wind noise dominant - Exclude		10	21	22 22	23	23	23 24	27 2	30	32 34 3	37 38	25 25	35 3	37	39 38	40 4	37	30 24 17
08-10-2023 10:00 08-10-2023 10:15 08-10-2023 10:30	Day	NWL34	NGARA SN 878181 NGARA SN 878181	12.2	101	0	20.3	45.5	73		53	45	39 46 39 48		Q	What noise dominant - Exclude What noise dominant - Exclude What noise dominant - Exclude		17	19	20 21		24 21	24 24 21 23 23 24	24 25 24 2	27	28 31 3	35 38 35 37	36 37 37 37	35 3 35 3	35	37 37 34 35	23 2	29	26 20 14 26 20 14
08-10-2023 10:30 08-10-2023 10:45 08-10-2023 11:00		NML34 NML34	NGARA SN 8781B1 NGARA SN 8781B1 NGARA SN 8781B1	10.1	84 80	0	20.7 21.5 21.4	44.1 44.1	54 74		54	51 54	39 48 40 48 40 51		G	Wind noise dominant - Exclude Wind noise dominant - Exclude		20	22	23 24	24	23 24 20	24 25 21 22	27 25	25 29 27	30 32 3 30 32 3 29 31 3	35 37 36 37 34 35	37 33	35 3 37 3 35 2	37	36 36 38 37	38 3 40 4	32	28 23 16 33 22 15
08-10-2023 11:15 08-10-2023 11:30			NGARA SN 8781B1 NGARA SN 8781B1 NGARA SN 8781B1	9.4 9.4	87 95	0	21.5 22.2	43.1 40.4	54 57		57 55	51 49	35 47 33 45		62 40	Wind noise dominant - Exclude Wind noise dominant - Exclude		10	21	23 24 19 20	24	24	24 24 20 21	26 Z 22 Z	25 25	30 32 3 27 29 3	35 36 32 33	36 36 34 34	36 3 34 3	37	37 36 34 33	22 2 26 2	34 29	28 22 16 25 20 13
08-10-2023 11:45	Day	NML34	NGARA SN:8781B1	10.1	67 82	0	21.5	40.9 39.8	61 61		53	47 48	35 45 34 45		40	Wind noise dominant - Exclude Wind noise dominant - Exclude		10	19	20 21 19 15	22	22	23 23 21 22	24 2- 23 2:	25 26	27 29 3 28 30 3	33 34 34 35	34 34	34 3 34 3	34	35 35 34 34	34 X	28	25 19 12 26 20 13
08-10-2023 12:15 08-10-2023 12:30 08-10-2023 12:45		NML34 NML34	NGARA SN:8781B1 NGARA SN:8781B1 NGARA SN:8781B1	10.1	102	0	22.1 22.1 21.9	35.4 36.5	54 54		56 52	45 45 45	35 45 38 45 35 44		41	Wind noise dominant - Exclude Wind noise dominant - Exclude		17	19	22 24 19 20	23	22 20 20	22 22	24 2 24 2	26 26	27 29 3 28 30 3 28 31 3	34 34 34 35 33 34	35 35	34 X 35 3	34	33 33	32 3 32 3 32 3	28 29 27	25 19 12 25 20 12 24 18 12
08-10-2023 13:00	Day	NML34 NML34	NGARA SN 878181 NGARA SN 878181 NGARA SN 878181 NGARA SN 878181	10.5 11.9	104		21.9 22.8 22.2	35.2 35 37.7			55 52	51 40	35 44 37 47 32 45		11	Wind noise dominant - Exclude Wind noise dominant - Exclude Wind noise dominant - Exclude		10	19	20 20		20 21 20	23 22 21 22 20 21	24 2 24 2 23 2	26 26	28 31 3 28 31 3 27 30 3		34 35 36 36 34 34	33 X 36 X	39	33 35 38 35 34 33	34 X 32 V	30	24 18 12 26 20 14 26 21 12
08-10-2023 13:30 08-10-2023 13:30				9.7	113	0	22.4	35.1	62		51 54	45	34 43 34 43		38	Wind noise dominant - Exclude Wind noise dominant - Exclude		12	14	15 16	16	17	18 20 17 18	21 Z 20 Z	23	25 27 2 24 27 2	31 32 31 32	31 32	32 X	32	33 33	31 30	28	
08-10-2023 14:00 08-10-2023 14:15	Day	NML34 NML34	NGARA SN 878181 NGARA SN 878181	10.5	109 103	0	22.5 22.9	35 33.7	56 60		49 54	44 50	32 40 33 46		95 41	Wind noise dominant - Exclude		10	10	11 12 20 20	12	17 23	16 16 21 24	18 11 26 21	21	23 25 2 28 29 3	28 30 33 33	30 25 34 34 34 34	29 2 33 X	3 33	33 35	27 28 33 38 34 3	24 35	20 15 5 27 20 12
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			(kmhr)	Direction (mn	ntall Temp n) (oC)	(%)	Locale L	Automatic Lond	LAIG	Dat Da	(incl +2.3 dB correction)	Lmax Requires Further Review		2012	2.54	31.314	5010			12312 100	2000 220	2 3/3/2 400/2	30010	5512 55512 1615			74. (3.13614.76614	3612 6.3612	1000	12.300
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End Time Time Location Logge Period	r Mine West Wind Spee	her Data d Wind Raintai	Raw 15-minute S if Temp Humidity LAmax LAlmax	Italiatical Data	Logsum LAeq15min tol LAeq LAeq S530 Hz	ts Lmax Requires Further Review		Raw Lieu tinin 1/3 Spectrum 20Hz 25Hz 31.5Hz 40H	iz 150Hz 153Hz 180Hz 1100Hz	125Hz 160Hz 200Hz 250Hz	315Hz 400Hz 500Hz	530Hz 550Hz 19Hz 1,259Hz 1,59Hz 2,Hz 2	Santa Danisanta Hanta Santa Santa Banta Tolonia 12.5anta 1660a
	(kmhr)	Direction (mm)	If Temp Humidity LAmax LAlmax (oC) (%)		(incl +2.3 dB correction)								
09-10-2023 23:15 Night NML34 NGAR	A \$N.8781B1 6	5 50	0 14.8 77.9 41	30 29 25	5 27 2	3 Ok, 550 dBA	Comments (dominantholeworthy sources).	-13 -11	-5 1 -1 2	3 6 8	11 13 14	15 14 13 13 14 16	19 18 17 15 14 12 10 8 5
09-10-2023 23:30 Night NML34 NGAR 09-10-2023 23:45 Night NML34 NGAR	A SN 878181 6 A SN 878181 6	5 54 5 54	0 14.7 76.5 39 - 0 14.6 79.3 39 -	28 25 27 28 27 24	3 24 1 4 26 2	9 Ok, 550 dBA 1 Ok, 550 dBA		-18 -15 -16 -14	7 1 2 0	1 4 5	7 9 10 9 11 12	10 10 10 10 11 13 13 13 12 12 13 14	16 16 14 12 12 11 9 7 4 16 17 16 14 13 12 10 7 5
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						5 Check, above 50 dBA	Bird noise dominant - Exclude Bird noise dominant - Exclude	-16 -14 -14 -12	4 2 -1 4 -7 1 -1 5	2 1 2 1	7 13 18 13 18 30		36 35 40 36 40 39 23 11 7 37 32 36 33 22 18 17 9 4
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10-10-2023 6:35 Night NML34 NGAR 10-10-2023 6:30 Night NML34 NGAR 10-10-2023 6:45 Night NML34 NGAR 10-10-2023 7:00 Night NML34 NGAR	A SN 878181 3 A SN 878181 1	2 61 8 212	0 12.2 97.2 66- 0 11.6 95.1 66- 0 12.1 95.9 70- 0 14.7 87.1 61-	59 52 35 55 49 35 53 47 33 56 49 34	5 46 46 4	Check, above 50 dBA	Bed noise dominant - Exclude Bed noise dominant - Exclude	-4 -3	0 5 6 13 5 7 7 7 14 1	17 14 13 1 11 17 14 1 5 21 14 13 2 1 14 9 11 2	19 21 33 24 30 31 19 21 28 20 24 28	43 40 32 32 38 32 39 37 34 35 34 38	32 32 33 31 29 24 15 10 5
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10-10-2023 7:15 Day NML34 NGAR 10-10-2023 7:30 Day NML34 NGAR 10-10-2023 7:45 Day NML34 NGAR	A SN 878181 4	3 355	0 15.7 82.4 71 - 0 16.2 78.7 67 - 0 16.8 75.8 67 -	59 53 30 59 52 33 56 47 34	2 48 3	2	Bled noise dominant - Exclude RTN, Birds - 5 min excluded Rid noise dominant - Excluded	3 1	3 6 11 17 2 4 7 15 20 1	1 16 10 11 1 1 36 27 25 3	15 18 33 28 29 33 18 20 25	43 40 32 40 38 36 38 39 34 40 39 34 40 36 27 32 32 33	40 35 42 37 30 28 17 11 5 33 28 37 38 33 25 18 13 6 33 30 36 34 27 23 15 10 5
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10-10-2023 8:30 Day NML34 NGAR	A SN 878181 10	.1 340	0 18.7 63 55-	50 45 33 55 46 33		1	Birds, Wind - 5 min excluded Birds, Wind - 5 min excluded Birds, Wind - 3 min excluded	3 5	7 8 10 14 1 6 10 14 13 1	10 11 12 1 13 14 16 1 15 15 16 1	21 25 25 18 19 21 19 21 22	36 33 26 29 29 29 36 33 28 30 40 42	27 25 27 38 33 24 14 10 6 30 29 30 31 28 22 15 10 6 33 28 32 34 33 27 16 11 6
10-10-2023 9:00 Day NML34 NGAR 10-10-2023 9:15 Day NML34 NGAR	A SN 8781B1 7 A SN 8781B1 7	2 7 6 7	0 20.5 52.6 62 - 0 20.9 46.8 67 -	51 43 3° 54 46 38	1 41 3 0 44 3	4		0 1	4 7 8 10 1 4 6 9 12 1	11 12 14 1 1 14 14 15 1	17 19 22 17 19 21	30 27 25 26 27 28 29 29 28 33 33 35	27 28 29 33 35 31 17 10 6 35 33 35 35 31 22 16 11 6
		2 17	0 21.5 44 58- 0 21.9 41.4 72- 0 22.3 39.6 57-	51 45 3 53 47 36	1 41 3	0	Bird noise - 4 min excluded Bird noise dominant - Exclude	5 5 1 3	7 8 15 20 2 5 7 10 13 1	15 17 18 2	19 21 25	36 32 27 30 27 28 37 35 29 31 29 34 33 31 23 27 25 24	31 30 28 30 28 21 16 12 6 36 32 32 35 33 23 17 13 7 26 26 28 31 29 20 16 11 6
10-10-2023 10-15 Day NM 34 NG48	A SN 878181 9 A SN 878181 9	4 341	0 22.8 35.7 60 -	50 42 21 51 39 2	5 39 3 7 39 3	3		2 3 4 4	5 7 10 12 1 -2 1 3 6 1	1 14 15 15 1 1 15 15 15 1 1 12 7 8 1	19 20 24 18 19 22 13 16 20	29 27 22 27 25 26	29 32 30 27 25 23 15 11 6
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		.1 116 .8 105	0 243 319 81- 0 239 313 59- 0 248 295 63-	58 44 21 52 44 23 53 43 23	6 48 3 7 41 3	7	vehicle pass by - 1 min excluded	-1 2 -4 3	7 14 17 21 2 -2 1 3 8	25 29 26 2 5 5 8 9 1 19 16 14 1	29 31 33 14 16 22 18 20 24	41 38 41 39 40 37 34 31 21 28 25 27	34 33 32 32 31 25 17 16 7 30 32 30 30 30 27 20 16 7
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10-10-2023 12:00 Day NML34 NGAR 10-10-2023 12:15 Day NML34 NGAR 10-10-2023 12:30 Day NML34 NGAR	A SN 878181 6 A SN 878181 8	.1 255 3 169	0 23.7 29.8 51 - 0 24 29 57 - 0 24.8 24.4 56 -	55 45 21 52 43 21	5 43 3 7 40 3		Bird noise - 3 min excluded	4 4	1 3 9 15 2 -1 -1 4 15	25 22 14 1 4 6 7 1	19 19 21 15 17 24	37 35 24 27 28 27	23 24 30 39 37 25 12 9 6 24 23 26 24 22 17 10 8 6
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10-10-2023 13:00 Day NML34 NGAR 10-10-2023 13:15 Day NML34 NGAR 10-10-2023 13:30 Day NML34 NGAR	A SN 878181 7 A SN 878181 8	9 134 6 185	0 25.9 24.6 65- 0 25.1 25 62- 0 25.2 24.9 69-	51 43 21 52 46 21 54 39 3	7 41 3 5 42 3	9	Sed noise dominant - Exclude Bird noise dominant - Exclude	-2 0 -3 2	1 2 6 15 2 3 7 14 1	8 7 8 1 13 13 14 1	15 18 21 17 19 22 28 29 25	36 33 26 27 25 25 36 32 29 28 28 29 35 33 36 32 31 31	28 28 33 26 23 21 12 9 6 27 24 29 34 33 21 12 9 6 29 29 25 22 21 19 16 13 8
10-10-2023 13:30 Day NML34 NGAR 10-10-2023 14:00 Day NML34 NGAR	A SN878181 5	0 217	0 252 249 59- 0 253 248 59- 0 251 25 51-	55 43 21 55 50 21	43 2 6 44 3	1	vehicle passby, Bird noise - 3 min excluded vehicle passby, Bird noise - 4 min excluded	4 8	0 19 12 19 2 17 14 13 17 1	24 31 26 2 1 22 29 30 2 1 10 13 12 1	30 32 33 23 27 31		29 29 22 22 21 19 10 13 8 31 32 33 24 22 19 12 9 6 31 34 35 37 37 29 17 12 6
10-10-2023 14-15 Owy NMI 34 NG48	A 524-6781B1 5	8 187	0 251 246 57	52 46 2	7 42 4	0	RTN, Birds - Exclude RTN, Birds - Exclude Alexast, Birds - 5 min excluded	4 1	1 1 4 16	7 7 8	14 18 24	38 35 29 30 29 20	29 25 29 29 25 19 11 8 6
10-10-2023 14:30 Day NML34 NGAR 10-10-2023 14:45 Day NML34 NGAR 10-10-2023 15:00 Day NML34 NGAR	A SN 678181 9	A 227	0 268 22.4 54- 0 26.7 24 57- 0 27.1 23 53-	52 46 21 50 39 25	5 37 3	6	Blef prins dominant - Ferbyle	3 2	0 5 5 16 4 -1 14 24 2	22 19 18 2 7 12 11 1 11 11 13 1	20 19 24 15 18 15	39 34 29 30 28 28 33 28 23 23 23 22 22 37 31 29 27 34 21	25 23 27 23 16 15 10 6 5 19 16 22 31 28 16 11 8 5 19 17 27 30 26 18 16 20 8
10-10-2023 15:15 Day NML34 NGAR 10-10-2023 15:30 Day NML34 NGAR	A SN 878181 7 A SN 878181 9	.6 241 .7 194	0 268 22.2 54- 0 269 22 59-	51 46 2 53 48 21	7 41 4	0	Bird noise dominant - Exclude Bird noise dominant - Exclude	-4 0 -2 16	0 1 5 15	6 6 6 27 20 19 1	13 15 22 19 22 26	38 30 22 27 28 28 38 33 31 32 34 35	28 29 29 26 23 20 13 10 6 31 27 29 36 33 19 13 12 6
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10-10-2023 16:45 Day NML34 NGAR 10-10-2023 17:00 Day NML34 NGAR 10-10-2023 17:15 Day NML34 NGAR	A SN 8781B1 4 A SN 8781B1 4	0 24	0 265 227 57- 0 263 232 56- 0 258 25 53-	52 49 30 59 51 20	0 45 48 4	4	Bird noise dominant - Exclude Bird noise dominant - Exclude	-2 16 -2 7	7 13 23 18 2 3 3 11 19 2	27 23 21 2 28 29 28 2 1 25 20 21 2	22 23 25 22 23 25 22 25 25	41 35 31 33 34 33	33 33 32 30 25 21 10 8 5 40 38 40 40 34 25 15 9 5 31 31 33 30 19 15 10 8 5
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10-10-2023 17-30 Day NML34 NGAR 10-10-2023 17-45 Day NML34 NGAR 10-10-2023 18:00 Day NML34 NGAR	A SN 8781B1 7 A SN 8781B1 5	2 129 4 131	0 25.6 25.7 61 - 0 24.9 26.8 59 - 0 24.1 27.9 58 -	54 49 21 54 48 22 53 47 3	9 44 4 1 43 4	1	Bird noise dominant - Exclude Bird noise dominant - Exclude	2 9 -2 1	5 9 8 16 1 3 6 10 19 1	13 15 15 1 16 16 16 1	27 30 31 26 31 32 24 30 32	39 37 36 33 30 29 36 38 36 34 31 28 36 37 35 31 28 26	27 26 28 19 16 95 19 8 5 23 24 27 18 15 13 9 8 5
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10-10-2023 19:00 Evening NML34 NGAR 10-10-2023 19:15 Evening NML34 NGAR	A 5N 5781B1 2	2 89		44 43 31 43 38 3	7 39 1	4	DEG TOTAL - 4 THE BOOLDAGE	-21 -17	-13 -10 -8 -8 -	4 4 4 . 3 1 3 1	-2 1 4	9 12 8 9 10 12 4 5 5 7 8 10	31 37 34 13 13 14 10 8 5 30 35 32 12 12 12 9 7 5
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10-10-2023 21-45 Evening NML34 NGAR 10-10-2023 22-200 Evening NML34 NGAR 10-10-2023 22-15 Nght NML34 NGAR 10-10-2023 22-30 Nght NML34 NGAR 10-10-2023 22-30 Nght NML34 NGAR 10-10-2023 22-35 Nght NML34 NGAR	A SN 878181 5 A SN 878181 6	4 90 5 73		48 33 21 35 34 3 35 34 3	9 35 2 1 33 2	0 Ok, 550 dBA	RTN - 2 min excluded	-17 -11 -16 -12	-5 -1 -2 3 -5 3 0 3	2 4 7 1	8 10 12 7 9 11	25 27 27 26 24 22 12 12 12 12 13 16 11 12 12 12 12 13	25 25 22 12 11 11 9 7 4 30 27 22 14 13 12 10 8 5
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11-10-2023 0:15 Night NML34 NGAR	A SN 8781B1 8	3 34	0 17.9 52.9 37- 0 17.8 54.1 34- 0 17.7 56.6 34-	36 35 3 33 33 3 32 31 2	1 32 9	1 Dk, 550 dBA 0 Dk, 550 dBA 1 Dk, 550 dBA		-20 -21 -24 -20	7 3 4 5	7 7 3	-3 -1 0	2 3 4 5 7 10	33 27 20 11 10 10 9 7 5 30 26 20 10 10 10 9 7 5 20 25 21 11 10 10 9 7 5
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11-10-2023 2-45 Night NML34 NGAR	A SN 8781B1 4	.7 47 .9 40	0 165 63 43 - 0 164 642 30 -	29 28 2 28 26 2	4 26 1	5 Ok, 550 dBA 5 Ok, 550 dBA		-21 -17 -22 -18	4 1 1 1 -	4 2 8	2 2 2	2 4 6 7 8 8 2 3 4 5 6 8	16 23 20 10 10 11 10 9 7 14 21 19 10 10 10 10 9 7 4
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11-10-2023 3:15 Night NWL34 NGAR 11-10-2023 3:30 Night NWL34 NGAR 11-10-2023 3:45 Night NWL34 NGAR 11-10-2023 4:05 Night NWL34 NGAR 11-10-2023 4:15 Night NWL34 NGAR	A SN 878181 4 A SN 878181 5	3 81 4 41	0 15.5 66.4 34 - 0 15.7 66.1 35 - 0 15.6 66.8 45 -	27 25 2; 29 26 2;	2 24 1 3 25 1	1 Dk, 550 dBA 1 Dk, 550 dBA 1 Dk, 550 dBA	-	-23 -19 -23 -20 -22 -19	-9 -2 -4 -6 -4 -10 -3 -4 -7 -	5 7 4 -	-2 -1 0 -2 0 1	2 3 4 6 7 8 2 4 5 7 8 9	144 AU 17 10 10 10 10 10 17 4 13 13 20 17 11 11 11 15 1 9 7 4 1 13 12 11 15 1 9 7 1 1 13 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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11-10-2023 4-30 Night NML34 NGAR 11-10-2023 4-45 Night NML34 NGAR 11-10-2023 5-30 Night NML34 NGAR 11-10-2023 5-50 Night NML34 NGAR 11-10-2023 5-50 Night NML34 NGAR	A \$N.8781B1 4 A \$N.8781B1 2	2 193 0 150 9 124	0 15.4 68.7 34 - 0 14.8 72.7 46 - 0 14.3 75.6 60 -	41 34 23 56 54 21	2 30 5 6 49 5	Ok, 550 dBA Check, above 50 dBA Check, above 50 dBA	LAmax due to Insect	-18 -14 -14 -9	3 1 2 1	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 4 4	4 0 0 0 0 / / 6 13 20 25 25 13 9 17 25 31 31 23	18 18 17 16 17 14 9 7 4 29 29 35 40 46 44 25 13 8
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End Time	ime Lo	ocation	Looner	Mine Weath	er Data			-	Ray 15-min	en Statistic	nd Date	_		Logaum LAeq15min	tota Lmax Requires Further	1	Pew Line 1	inin 1/3 Spectrus	T)																		
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Į.				(kmhr)	Direction (m	m) (o	(%)	i)						(incl +2.3 dB																							
Į.														correction)	_																						
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11-10-2023 5:30	äght No.	ML34	NGARA SN:878181 NGARA SN:878181	4. 3.		0	13.2	79.1	65	_	57	40	33	46	47 Check, above 50 dBA	Bird noise dominant - Exclude Bird noise dominant - Exclude		-18 -14	-9	3 3	-3	-3 -2	-1 3	7	13 17	32	44 3 42 3	24	30	32	36 34	30	37	34	20 16	14	9
11-10-2023 5:45	egra rev	NL34	NGARA SN 5781B1	2.			13.0	79.1	67 -		57	40	37	45	44 Check, above 50 dBA 43 Check, above 50 dBA	Dird noise dominant - Exclude Bird noise dominant - Evrlude		-13 -10	-9	2 1	- 4	0 4	8 12	18	10 20		40 3	20	32	32	35 32		37		20 16	13	9
11-10-2023 6:15			NGARA SWATAIRI	- 4			13.7	79.9	54.	_	54	41	33	45	42 Check, above 50 dBA			-13 -7	-4	2 4		6 7	10 11	12	15 18	27	10 3	79	30	31	31 37	36	34	75	33 23	15	9
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11-10-2023 6:45			NGARA SN:8781B1	2.			14.1	82.5	69 -		54	45	34	45	44 Check, above 50 dBA			-12 -7	-3	4 6	13	20 22	15 23	15	20 22	30	41 3	34	35	35	35 30	30	28	26	22 16	10	8
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11-10-2023 7:15			NGARA SN:5781B1	3.		0	15.4	79.3	54 -		53	50	34	46	45	Bird noise dominant, aircraft - Exclude		-7 -3	-2	-1 6	15	5 5	6 8	13	19 22	32		31	36	35	35 33	33	35	26	20 16	10	8
11-10-2023 7:30		ML34 ML34	NGARA SN:878181 NGARA SN:878181	5.	133	0	16	78.7	54		57	50	34	47	42	Sird noise dominant - Exclude Sird noise dominant - Exclude		-2 1	2	4 12	18	9 20	26 22	20	21 22	28	39 3	32	34	32	31 33	33	35	40	39 25	13	9
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11-10-2023 8:15		ML34	NGARA SN 878181	2			19.3	59.6	51.	_	50	40	30	47		Bird noise dominant, RTN - Eadude		4 0	- 2	2 3	10	70 71	21 22	74	78 70	33	41 7	34	34	33	22 20	35	35		22 25	10	13
11-10-2023 8:30		ML34	NGARA SN 878181	4			20.2	53.3	69 -	_	58	47	29	46	35	aircraft noise and Birds - 5 min excluded		-11 -6	-1	2 4	13	23 29	29 31	29	31 32	32	35 3	27	27	27	27 28	34	40	30	37 35	16	9
11-10-2023 8:45	Day No.	ML34	NGARA 5N:5781B1	4.	257	0	20.6	49.2	68 -		54	50	30	50	47	Birds, Aircraft, RTN - Exclude		0 4	15 :	12 30	25	29 37	35 32	34	33 34	34	39 3	35	40	29	41 35	37	37	33	31 27	19	11
11-10-2023 9:00		ML34	NGARA SN:8781B1	3.			21.3	45.7	59 -		51	39	27	38	29			4 4	-2	1 4	12	7 10	11 11	13	15 18	20	23 2	24	26	25	33 20	25	30	29	20 17	13	9
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11-10-2023 9:30		ML34	NGARA SN:8781B1	4.			22.1	40.1	56 -		51	45	27	41	34			-7 -3	-2	-1 18	23	22 15	12 15	16	15 15		29 2	24	29	29	29 34	35	30	29	25 19	12	9
11-10-2023 9:45		ML34 ML34	NGARA SN-8781B1 NGARA SN-8781B1		130		22.9	35.5	67 -	_	53	45	29	43	34			9 1	2	3 6	19	19 18	15 15	21	21 21	21	27 Z	27	25	24	28 34	35	31	34	37 36	18	11
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11-10-2023 11:00		ML34	NGARA SN:8781B1	6.			24.8	33.5	74 -		50	55	25	50	33	Local Engine noise - 5 min excluded		7 10	14	6 23	32	27 27	25 23	23	22 23		31 3	41	41	41	40 45		33	33	31 23	23	21
11-10-2023 11:15		ML34	NGARA SN 8781B1	6.	40		25	33	65 -		61	55	25	50	30	Local Engine noise - 5 min excluded		1 4	10	9 25	30	17 23		23	25 24		29 3	39	41	43	42 45		36		27 22	19	19
11-10-2023 11:30		ML34	NGARA SN:5781B1	6.			25.4	32.2	67 -		50	51	31	47	35	Local Engine noise, sincraft - 3 min excluded		12 18	3	15 24	25	26 24	23 22	25	28 33	32		32	22	34	42 34	37	40	37	33 23	18	16
11-10-2023 11:45		ML34	NGARA SN:8781B1	6. 7.			24.6	33.7	74 -		71	50	32	50	37	Local Engine noise, aircraft - 5 min excluded		8 17	24	13 35	31	25 27	37 36	36 27	41 43		47 4 35 3	47	49	47	45 51	53 38	50	43	37 31	25	19
11-10-2023 12:00		ML34 ML34	NGARA SN:8781B1 NGARA SN:8781B1	7.			25.3	32.3	74 -	_	64	50	30	43	35	Local Engine noise, aircraft - 2 min excluded Local Engine noise, aircraft - 3 min excluded		2 11	20	8 26	24	28 27		27	30 30	33	35 3	- 44	39	35	37 44				25 21	15	10
11-10-2023 12:15		ML34	NGARA SN 5781B1	- 5	209	0	25.5	30.6	51.	_	47	41	25	37	75	Local Engine holse, aircraft - 3 min excused		-2 0	10	4 14	20	20 25	17 16	15	20 20	20	21 2	32 22	22	22	27 27	24	26	37	20 23	12	10
11-10-2023 12-45		ML34	NGARA SN 878181	7.		0	25.5	29.4	55.	_	44	70	27	76	70			2 4	- 5	7 9	13	12 13	13 14	16	18 19	21	24 2	72	22	24	24 25	27	28	26	22 18	14	10
11-10-2023 13:00	Day No.	ML34	NGARA SN 8781B1	5.			26.6	25.6	58 -		49	41	26	38	29			4 4	- 1	0 4	16	4 4	6 7	12	15 17	20	24 2	22	22	24	23 25	25	29	31	31 27	14	9
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11-10-2023 13:45		ML34 ML34	NGARA SN:8781B1 NGARA SN:8781B1	5.			25.9	25	52 -		47	42	25	37	30			4 4	-2	2 4	6	15 20	10 11	15	16 18	21	24 2	24	26	27	27 22	22	27	31	29 20	18	16
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11-10-2023 14:15		ML34	NGARA SNIB/BIBI	7		0	21.1	24.2	59 -	_	52	43	31	41	30	Local Engine noise - 2 min excluded		/ 10	10	7 10	21	22 20	21 19	21	22 29	30	31 3	31	26	31	30 3	20	22	29	20 21	17	14
11-10-2023 14:45		ML34	NGARA SN 878181	7.		0	25.2	23.6	53 -	_	49	42	29	38	35	Cocar Engine House - 2 Hall Buckobs		0 2	5	7 17	23	18 13	14 14	15	20 22		32 3	29	29	27	25 25	26	22	20	17 15	13	10
11-10-2023 15:00	Day No.	ML34	NGARA 5N:5781B1	6.	169	0	28	24.1	61 -		56	46	25	43	34	sincraft noise - 1 min excluded		-1 1	- 3	5 2	20	23 21	25 33	35	31 29		31 2	25	29	31	27 21	27	28	34	22 30	21	10
11-10-2023 15:15		ML34	NGARA SN:8781B1	10.	133	0	27.2	25.1	52 -		48	43	25	39	37	RTN - 2 min excluded		-3 -1	-	3 7	14	19 19	18 17	21	21 22	75	34 3	26	25	23	22 24	23	23	25	27 20	16	11
11-10-2023 15:30		ML34	NGARA SN:5781B1	5			27.8	24.4	54 -		48	42	25	38	X			-3 0	2	2 13	19	22 21	15 16	17	21 22	ĸ	31 3	30	29	27	25 23	22	22	24	23 19	16	13
11-10-2023 15:45		ML34	NGARA SN:8781B1	10.			27.8	24.5	50 -		52	47	30	42	35	Birds, RTN - 5 min excluded		3 5	6	7 9	16	12 13	13 14	16	20 23	28	39 3	32	30	25	27 25	24	25	30	30 25	16	11
11-10-2023 16:00		ML34 MI 34	NGARA SN:8781B1 NGARA SN:8781B1	5.			27.6	25.1	59 -	_	53	48	32	44	**	RTN, Local Engine noise, Birds - 5 min excluded RTN, Birds - Exclude		1 2	- 1	4 9	15	1.3 16	194 18	19	24 30	31	40 3 42 4	34	31 29	-29	27 28	28	29	-0	21 18	15	11
11-10-2023 16:15		ML34 ML34	NGARA SN 878181	4.			27.3	24.8	50 -		54	47	28	44	42	RTN, Birds - Exclude RTN, Birds - Exclude		-00 -7	- 7	.2 2	13	2 3	5 10	.7	11 19	30	70 9	25	25	26	27 31	25	20	31	23 21	11	8
11-10-2023 16:45		ML34	NGARA SN 878181	5.			27.4	24.7	59 -		53	49	27	44	44	RTN, Birds - Exclude		-2 3	7	10 9	17	22 19	22 21	20	22 23	29	41 3	30	29	25	28 27	27	29	22	17 15	11	9
11-10-2023 17:00	Day No.	ML34	NGARA SN:8781B1	2.		0	27.4	24.1	57 -		53	47	27	42	ж	Aircraft, RTN, Birds - 5 min excluded		4 4	-3	-2 13	21	19 11	13 12	13	17 22	27	39 3	30	29	27	25 25	24	27	25	17 14	11	8
11-10-2023 17:15		ML34	NGARA SN:8781B1	3.	120		27.3	23.7	66 -		55	51	29	46	44	RTN, Birds - Exclude		-7 -2	-2	-2 1	14	6 7	5 7	10	18 21	30	44 4	31	29	25	25 20	33	33	23	20 21	17	12
11-10-2023 17:30		ML34	NGARA SN:8781B1	2			26.7	24.4	61 -		51	45	30	43	44	RTN, Birds - Exclude		2 -1	-1	4 5	15	11 9	10 11	12	18 24	31	41 3	32	31	29	28 25	25	25	17	14 12	10	8
11-10-2023 17:45		ML34 ML34	NGARA SN:8781B1	1.			26.1	25.6	57 -	_	51	45	30	42	37	RTN - 4 min excluded		-7 4	-4	2 12	17	19 19	11 11	15	25 31	30	35 3 42 3	33	31	29	25 24	25	28	24	16 13	13	9
11-10-2023 18:00	Day M.		NGARA SN 878181 NGARA SN 878181	0.			25.2	27	75		56	50	32	48	40	RTN, Birds - Exclude Birds BTN - 5 min sorbylad		4 2	- 5	0 5	12	11 15	14 16	20	al 32	31	42 3 38 3	32	31	29	25 45	29	34	30	10 15	10	- 8
11-10-2023 18:15	tvening Ni.		NGARA SN-8781B1	2.			24.5	28.2	65 -		56	46	31	45	44	Birds, RTN - 5 min excluded RTN - 4 min excluded		-15 -11	-1	4 3	20	y 13	13 16	20	31 35	34	38 3	37	34	31	41 21	25	32	20	10 14	9	0
11-10-2023 18:30	versing No.	ML34	NGARA SN 5781B1	6			23.1	32.2	52 -	-+	47	45	37	42	27	N. 14 - 4 IIII BACAGAG		-17 -14	-9	3 -1	5	6 7	3 8	- 6	11 14	17	22 2	27	25	21	20 27	38	31	17	14 17	10	8
11-10-2023 19:00	vening No	ML34	NGARA SN 878181	10.			23.3	35.0	49 -		46	45	40	42	23			-19 -15	-10	4 4	5	5 6	5 6	7	8 12	14	17 2	21	21	17	16 25	41	37	17	14 15	11	8
11-10-2023 19:15	vening No.	INL34	NGARA SN:8781B1	7.		0	22.3	43.4	47 -		46	45	39	42	26			-10 -5	-4	2 3	10	5 9	9 10	10	13 15	17	19 1	18	20	15	19 20	40	37	19	17 17	12	9
11-10-2023 19:30	tvening No.		NGARA SN:8781B1	2.			21.7	45.4	47 -		45	41	35	40	24			-11 -9	-5	1 1	9	7 8	9 9	9	11 13	15	17 1	17	18	17	18 25	38	34	18	16 15	12	9
11-10-2023 19:45	ening No.		NGARA SN:5781B1	8.			21.2	52.1	45 -		43	41	39	40	24			-13 -10	-6	1 1	7	7 9	7 8	9	11 13	15	17 1	18	19	17	18 23	39	31	18	16 14	12	9
11-10-2023 20:00	vening Ni		NGARA SN:8781B1	10.			20.8	55.3	53 -	_	46	40	38	40	27			-18 -14	-7	2 -2	6	6 7	6 7	- 5	12 16	18	22 2	24	23	21	18 33	38	31	15	13 11	10	7
11-10-2023 20:15	vening No.	NL34	NGARA SN:8781B1 NGARA SN:8781B1	9.			20.3	58.8	44 -	_	40	39	37	20	29		-	-10 -7	-4	1 2	8	4 9	y 10	10	14 14	16	7/ 1	17	17	17	10 32	35	30	10	10 14	- 11	0
11-10-2023 20:30	tvening Ni.		NGARA SN-8781B1 NGARA SN-8781B1	8.			19.9	61.7	46 -		40	39	37	20	20			4 4	- 0	2 5	9	9 11	111 12	1.5	13 17	19	20 2	20	20	20	21 32	36	28	21	19 17	14	10
11-10-2023 21:00	versing No.		NGARA SN 5781B1	8.			19.1	65.2	43 -	-+	40	39	37	30	20			4 4	-2	3 3	10	10 11	11 12	16	15 18	18	20 1	19	19	12	20 33	35	27	19	18 16	13	9
11-10-2023 21:15	vening No.		NGARA SN 878181	- 6			18.7	65.6	46 -	_	39	35	36	37	27			9 6	-2	3 2	9	8 11	10 12	15	14 16	17	12 1	18	15	10	19 33	33	27	18	17 15	13	9
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11-10-2023 21:30	ening No.																																				
11-10-2023 21:30 11-10-2023 21:45 11-10-2023 22:00	tvening No.	ML34	NGARA SN:8781B1	6			18.2	55.7	39 -		37	36	33	34	24			-15 -11	- 5	1 -1	7	7 8	8 9	9	11 13	15	16 1:	16	16	16	17 30		25	16	15 13	11	8

End Time Location Logger Period	Mine Weather Data Wind Speed Wind Rainfull Flore Humidity LAmes ILAines LAI		Res Linguisies 13 Spectrum 2016 1 (2016 13) 596 1 (2016 13) 5
	Wind Speed Wind Rainfall Temp Humidity LAmax LAII (km7r) Direction (mm) (oC) (%)	(incl +2.3 dB comedion)	
04-10-2023 22:15 Night NWL35 NGARA SN:6781DD 04-10-2023 22:30 Night NWL35 NGARA SN:6781DD	18.7 1 0 20.2 74 63 - 5 19.1 2 0 20.1 75 62 - 5	77 53 45 50 44 Check, above 50 dSA Excluded -Wind exceedance 78 52 43 49 47 Check, above 50 dSA Excluded -Wind exceedance	26 22 31 32 34 34 33 33 33 33 35 34 34 33 33 35 35 34 34 35 35 35 35 35 35 35 35 35 35 35 35 35
04-10-2023-22-45 Ngh NML35 NGARA 5X-8781DD 04-10-2023-23:00 Ngh NML35 NGARA 5X-8781DD 04-10-2023-23:15 Ngh NML35 NGARA 5X-8781DD	17.5 360 0 20 76 56 - 5 16.9 357 0 19.8 77 58 - 5 18.4 340 0 19.7 77 58 - 5	00 47 41 45 42 Check, above 50 dSA Excluded - Wind 22 45 45 46 43 Check, above 50 dSA Excluded - Wind 33 49 42 46 44 Check, above 50 dSA Excluded - Wind 44 Check, above 50 dSA Excluded - Wind accessance	20 22 28 28 28 28 28 28 28 28 28 28 28 28
04-10-2023 23:30 Nght NML35 NGARA SN:6781DD 04-10-2023 23:45 Nght NML35 NGARA SN:6781DD	15.1 340 0 19.6 78 55 - 4 12.2 331 0 19.1 82 52 - 4	10 45 38 42 38 Check, above 50 dBA Excluded - Wind 18 45 36 42 31 Check, above 50 dBA LAmax - Wind.	17 22 22 22 22 22 22 22 22 22 22 23 24 24 22 27 27 28 27 27 28 27 28 27 27 28 27 28 27 28 28 28 28 28 28 28 28 28 28 28 28 28
05-10-2023 0:00 Naght NML35 NGARA SN:ST81DD 05-10-2023 0:15 Naght NML35 NGARA SN:ST81DD 05-10-2023 0:30 Naght NML35 NGARA SN:ST81DD	10.1 329 0.1 18.8 85 58 - 5		-12 -48 -4 -4 -4 -3 0 1 1 2 5 9 13 16 19 19 19 19 15 14 23 26 28 21 13 14 12 12 12 13 14 13 12 17 14 15 18 18 18 18 18 18 18
05-10-2023 0.45 Sight NML.35 NGGAR-SHETEIDD 05-10-2023 1.06 Sight NML.35 NGGAR-SHETEIDD 05-10-2023 1.15 Sight NML.35 NGGAR-SHETEIDD 05-10-2023 1.15 Sight NML.35 NGGAR-SHETEIDD 05-10-2023 1.45 Sight NML.35 NGGAR-SHETEIDD 05-10-2023 1.45 Sight NML.35 NGGAR-SHETEIDD 05-10-2023 1.45 Sight NML.35 NGGAR-SHETEIDD 05-10-2023 1.55 Niew NML.35 NGGAR-SHETEIDD 05-10-2023 1.55 Niew NML.35 NGGAR-SHETEIDD	7.6 193 0 17.3 96 64 - 4 12.6 196 0 15.2 99 63 - 5	2	
05-10-2023 1:15 Night NML35 NGARA SN:8781DD 05-10-2023 1:30 Night NML35 NGARA 29:8781DD 05-10-2023 1:30 Night NML35 NGARA 29:8781DD	12.6 105 0 15.2 90 63 - 5 12.2 194 0.6 13.9 100 61 - 5 14.4 105 1.5 13 100 62 - 5 13.0 179 0.5 12.2 100 54 - 4		14
	10.8 187 0.6 11.9 100 54 - 5 11.2 181 0.2 11.6 100 59 - 5		-4 -3 -1 2 3 6 11 14 15 16 19 20 22 24 28 34 31 33 32 33 34 49 41 20 27 22 22 21 18 11 3 -3 -1 1 1 3 5 7 11 13 6 15 17 17 17 19 21 24 22 22 23 25 26 28 28 49 41 20 24 21 18 27 23 25
05-10-2023 2:30 Night NML35 NGARA SNETSIDD 05-10-2023 3:30 Night NML35 NGARA SNETSIDD 05-10-2023 3:30 Night NML35 NGARA SNETSIDD 05-10-2023 3:15 Night NML35 NGARA SNETSIDD	10.4 159 0 11.5 100 45 - 4 7.5 145 0.2 11.5 100 49 - 4 4.7 118 0 11.5 100 47 - 4	17 43 36 40 27 Dk, 550 dBA	42 01 01 02 03 03 03 03 03 04 05 05 05 05 05 05 05 05 05 05 05 05 05
05-10-2023 3:15 Night NML35 NGARA SYLSTBIDD 05-10-2023 3:30 Night NML35 NGARA SYLSTBIDD 05-10-2023 3:45 Night NML35 NGARA SYLSTBIDD		11 39 35 38 24 Ük, 500 dBA 22 41 35 30 20 20 Ük, 500 dBA 16 40 32 38 18 Ük, 500 dBA	
05-10-2023 3-45 Night NML35 NGARA SN:8781DD 05-10-2023 4:00 Night NML35 NGARA SN:8781DD 05-10-2023 4:15 Night NML35 NGARA SN:8781DD	4.0 11 0 11.5 100 49 4 2.9 326 0 11.6 100 49 3 3.2 299 0 11.6 100 44 4	22 38 32 36 15 Ok, 550 dBA 29 38 28 34 13 Ok, 550 dBA 11 37 28 34 28 Ok, 550 dBA	- 48 - 15 - 10 - 4 - 5 - 2 - 2 - 1 - 1 - 0 - 1 - 3 - 5 - 5 - 8 - 14 - 25 - 13 - 14 - 17 - 31 - 33 - 17 - 14 - 15 - 11 - 9 - 7 - 21 - 16 - 12 - 2 - 3 - 3 - 2 - 1 - 0 - 1 - 2 - 3 - 4 - 6 - 7 - 13 - 12 - 13 - 16 - 16 - 16 - 16 - 17 - 13 - 3 - 1 - 7 - 11 - 13 - 15 - 12 - 23 - 14 - 11 - 19 - 9 - 11 - 12 - 12 - 15 - 27 - 23 - 15 - 14 - 14 - 11 - 9 - 7 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2
05-10-2023 4:30 Night NML35 NGARA SN:8781DD 05-10-2023 4:45 Night NML35 NGARA SN:8781DD 05-10-2023 5:00 Night NML35 NGARA SN:8781DD	3.6 334 0 11.6 100 42 - 3	29 33 29 34 15 Dk,550 dBA 80 34 26 34 16 Dk,550 dBA 15 40 31 37 21 Dk,550 dBA	-13 -9 -6 -3 -9 -3 -3 -3 -3 -4 -3 -3 -5 -7 -6 -9 11 -12 -14 -13 -15 -30 -31 -15 -13 -14 -11 -9 -7 -13 -10 -7 -4 -3 -1 -1 -1 -2 -4 -7 -6 -9 11 -12 -14 -13 -13 -15 -15 -15 -15 -15 -15 -15 -15 -15 -15
05-10-2023 5:15 Net: NML35 NGARA SN:8781DD	5.4 344 0 12.1 100 60 - 5	32 43 34 41 22 Check above 50 dBA LAmax - Wind.	15 12 7 2 9 4 4 4 4 3 3 4 8 10 14 15 23 30 37 35 26 26 30 31 22 23 20 15 9 7
05-10-2023 5:30 Nghi: NML35 NGARA SN.5761DD 05-10-2023 5:45 Nghi: NML35 NGARA SN.5761DD 05-10-2023 6:00 Nghi: NML35 NGARA SN.5761DD	3.5 350 0 12.1 100 65 - 6 4.0 346 0 12.3 100 65 - 5 3.5 334 0 12.5 100 66 - 5	51 52 32 49 24 Check, above 50 dBA LAnser - Birds 58 51 33 47 26 Check, above 50 dBA LAnser - Birds	
05-10-2023 6:35 Night NML35 NGARA SN8781DD 05-10-2023 6:45 Night NML35 NGARA SN8781DD	3.6 334 0 125 100 69 - 5 2.9 317 0 127 59 63 - 6 3.2 289 0 13.1 96 67 - 5	35 50 32 47 29 Check, above 50 dBA Livrax - Birds 20 55 31 50 27 Check, above 50 dBA Livrax - Birds 20 44 28 46 30 Check, above 50 dBA Livrax - Birds	
05-10-2023 7:00 Night NML35 NGARA SN:8781DD	2.5 289 0 13.6 96 62 - 5	29 45 28 46 33 Check, above 50 dBA Librars - Birds 20 47 28 44 22 Check, above 50 dBA Librars - Birds 24 45 28 44 27 29 44 27 29	- 1-12 -7 -4 1 6 9 16 16 16 22 11 12 14 15 21 22 23 38 37 36 29 34 38 30 24 18 12 10 7
05-10-2023 7:30 Day NML35 NGARA SNETBIDD 05-10-2023 7:45 Day NML35 NGARA SNETBIDD 05-10-2023 8:00 Day NML35 NGARA SNETBIDD	4.0 261 0 14.6 85 56 - 5 5.4 244 0 15.2 77 62 - 5 6.1 221 0 15.4 70 67 - 5	00 44 30 40 35 44 47 31 43 31 51 41 28 42 24	
05-10-2023 8:15 Day NML35 NGARA SN8781DD 05-10-2023 8:30 Day NML35 NGARA SN8781DD 05-10-2023 8:45 Day NML35 NGARA SN8781DD	6.5 218 0 15.8 70 61 - 5 2.0 213 0 15.8 73 63 - 5 11.5 193 0 16.2 74 66 - 5	5 45 29 43 26 5 47 30 43 35 11 41 30 40 29	6 2 1 4 7 11 11 11 11 11 11 11 11 11 12 12 12 12
05-10-2023 9:00 Day NML35 NGARA SNETREDO 05-10-2023 9:15 Day NML35 NGARA SNETREDO	11.9 192 0 16.6 72 66 5 13.0 207 0 16.8 72 69 5	26 48 32 45 28	4 5 7 9 10 13 17 20 21 20 18 18 19 22 23 25 30 34 33 34 30 34 35 28 23 28 14 10 7
05-10-2023 9:30 Day NML35 NGARA SN:ST81DD 05-10-2023 9:45 Day NML35 NGARA SN:ST81DD 05-10-2023 10:00 Day NML35 NGARA SN:ST81DD	11.9 212 0 17.2 68 59 - 5 12.6 196 0 17.9 54 66 - 5	21 41 30 30 31 34 45 32 43 35	4 5 6 15 21 22 13 15 20 20 16 16 21 25 28 32 31 32 31 33 36 31 28 24 23 15 10 7
05-10-2023 10:15 Day NML35 NGARA SN:8781DD 05-10-2023 10:30 Day NML35 NGARA SN:8781DD	10.4 205 0 16 60 58 - 5 11.9 214 0 18.2 59 69 - 6	74 56 32 46 28 20 20 43 33 47 28	4 6 8 9 15 25 24 10 22 22 171 17 10 10 27 22 24 2 3 3 3 3 3 3 25 25 25 10 10 7 17 10 10 20 22 3 3 3 3 3 3 3 3 3 25 25 25 10 10 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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05-10-2023 11:30 Day NML35 NGARA SX:8781DD 05-10-2023 11:45 Day NML35 NGARA SX:8781DD 05-10-2023 12:00 Day NML35 NGARA SX:8781DD	13.3 229 0 18.9 52 61 - 5 10.8 214 0 18.5 50 72 - 5 11.2 226 0 18.8 48 65 - 5	55 55 36 46 36 57 48 33 48 31	5 C 7 8 10 13 13 13 15 14 14 15 15 16 19 20 22 22 25 26 28 28 29 20 34 40 41 38 30 28 20 11 7 3 15 16 17 18 17 16 16 19 10 20 22 24 24 27 23 38 44 37 28 24 37 28 22 15 11 7 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
05-10-2023 12:15 Day NML35 NGARA SN.8781DD 05-10-2023 12:15 Day NML35 NGARA SN.8781DD 05-10-2023 12:30 Day NML35 NGARA SN.8781DD 05-10-2023 12:45 Day NML35 NGARA SN.8781DD	11.2 235 0 18.8 48 63 - 5 10.1 218 0 19.3 46 63 - 5 10.8 218 0 19.4 48 70 - 5	77 51 35 47 31 56 48 31 45 22 20 43 30 45 33	6 8 8 8 8 7 19 12 14 15 15 17 17 18 18 18 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18
05-10-2023 13:00 Day NML35 NGARA SN:8781DD		33 45 31 42 33 55 43 30 42 33	
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05-10-2023 14:00 Day NML35 NGARA SNETSIDD 05-10-2023 14:15 Day NML35 NGARA SNETSIDD 05-10-2023 14:30 Day NML35 NGARA SNETSIDD	11.9 230 0 20.2 36 53 - 4 10.8 252 0 20.4 37 63 - 5 11.2 255 0 20.2 38 53 - 5	85 43 29 39 26 26 27 27 35 35 35	2 4 5 7 9 11 11 12 13 14 15 17 15 21 22 22 24 25 27 28 27 33 34 28 22 28 17 10 7 7 9 15 17 10 7 9 10
05-10-2023 14-45 Day NML35 NGARA SN 8781DD 05-10-2023 15:00 Day NML35 NGARA SN 8781DD	10.8 235 0 20.2 39 65 - 4 10.8 243 0 20.1 39 62 - 5	50 35 47 40 25 57 44 27 44 27	2 1 0 3 6 8 8 9 10 11 2 13 14 15 9 22 25 34 34 3 24 26 24 27 20 2 15 10 10 17 17 17 17 17 17 17 17 17 17 17 17 17
05-10-2023 15:15 Day NML35 NGARA SNISTRIDD 05-10-2023 15:30 Day NML35 NGARA SNISTRIDD 05-10-2023 15:45 Day NML35 NGARA SNISTRIDD	9.7 229 0 20.3 38 73 - 5 11.2 248 0 20.7 38 54 - 5 10.1 221 0 20.6 38 54 - 5		4 4 4 1 1 4 5 6 6 6 7 7 10 12 14 17 20 24 21 23 24 27 10 7 10 7 1 10 10 14 17 20 24 21 24 24 24 24 24 24 24 24 24 24 24 24 24
05-10-2023 15:45 Day NML35 NGARA SN:S781DD 05-10-2023 16:00 Day NML35 NGARA SN:S781DD 05-10-2023 16:15 Day NML35 NGARA SN:S781DD	10.1 235 0 21.9 35 59 - 5 10.4 239 0 21.8 36 67 - 5	54 45 31 43 27 22 46 26 28 29 24 45 27 44 26	-4 2 2 3 5 6 7 7 8 8 8 8 11 13 15 15 20 22 30 31 31 31 32 26 24 22 22 14 10 7 7 8 10 10 10 10 10 10 10 10 10 10 10 10 10
05-10-2023 10:30 Day NML35 NGARA SN:8781DD 05-10-2023 10:45 Day NML35 NGARA SN:8781DD 05-10-2023 17:00 Day NML35 NGARA SN:8781DD	9.4 215 0 218 35 59 - 5 11.5 234 0 21.8 35 61 - 5 9.7 224 0 21.7 34 72 - 5	51 45 28 41 36 22 42 28 41 34 55 43 27 43 29	-1 -2 -1 2 6 6 19 22 17 20 29 24 20 22 24 22 22 24 23 23 24 23 31 34 34 23 22 25 15 19 7 20 20 20 20 20 20 20
05-10-2023 17:15 Day NML35 NGARA SN 8781DD 05-10-2023 17:30 Day NML35 NGARA SN 8781DD 05-10-2023 17:45 Day NML35 NGARA SN 8781DD	9.7 224 0 21.7 34 72 - 5 10.1 234 0 21.5 35 67 - 6 9.0 241 0 21 37 63 - 5 6.5 239 0 20.1 39 62 - 5	54 49 29 54 29 On site movement/activity 3 min excluded 11 44 29 41 29	4 4 4 3 6 3 3 3 5 5 6 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
05-10-2023 18:00 Day NML35 NGARA SN 8781DD 05-10-2023 18:15 Evening NML35 NGARA SN 8781DD	5.4 205 0 19.4 41 57 - 4 5.1 207 0 18.8 42 58 - 4	26 40 30 41 21 18 42 35 40 24	46 44 41 6 3 4 3 1 3 0 1 0 3 6 10 11 16 19 20 23 33 31 32 27 32 33 28 25 28 19 10 1 44 41 6 4 6 2 0 0 5 5 11 15 11 16 19 20 23 23 23 23 23 24 15 19 13 10 10 10 24 44 41 6 4 0 2 0 0 5 5 11 15 11 16 19 13 20 24 24 25 25 26 25 27 26 27 27 27 28 28 28 29 19 10 10 27 28 28 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20
05-10-2023 18:30 Evening NML35 NGARA SN:8781DD 05-10-2023 18:45 Evening NML35 NGARA SN:8781DD 05-10-2023 18:00 Evening NML35 NGARA SN:8781DD	72 193 0 18 44 61 - 4 6.1 185 0 17.3 46 45 - 4 7.2 188 0 16.7 48 50 - 4	14 39 34 35 25 12 40 36 38 38 30 22 39 34 37 25	4 4 4 2 2 5 6 7 9 7 9 12 14 17 18 12 2 22 22 22 12 13 15 15 15 15 15 15 15 16 15 16 15 16 15 16 15 16 16 16 16 16 16 16 16 16 16 16 16 16
05-10-2023 19:15 Evening NML35 NGARA SN-8781DD 05-10-2023 19:30 Evening NML35 NGARA SN-8781DD	5.1 203 0 15.3 50 42 - 4 5.8 188 0 15.9 51 51 - 4	0 36 34 36 27 6 37 33 36 30 14 38 32 36 27 Helicopter 3 min excluded	3 1-1 1 2 4 7 9 55 10 10 11 13 16 19 20 22 21 20 19 15 17 22 31 31 17 15 54 11 19 7 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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## 14 Strain Market Wildow 14 Strain 15 Strain Market 15 Strain	07-10-2023 4:30 Ng	NML35 NML35	NGARA SN 8781DD	5.	4 80 C		0 45 2 57	- 35 2 - 37	23 21	24 1- 30 1-		LAmax - Birds		-18 -19	-17 -9 -16 -8	9	-7 -	4 -2	3	-3 0	2 3 4 K	4 8	5 6	9 9	10	18	14 15	14 12 12	12	11	9 6
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06-10-2025-600 MeM	4.0 3.2 1	99 0 10 0 12	12 5 2.1 5	57 72 57 72	- 5	57 48 57 53	34 43 36 53	2	Check, above 50 dBA	LAmax - Birds Airplane, Bird calls. LAmax - Birds - 4 min excluded	- 40	5 -4 3 -11	1	3 1	17	15	4 8 14 14	16	12 12 23 20	17 17 18 21	23	33 33 28 37	37 36 47 48	39 45	41	35 35 41 35	30 29 36 35	36 27 34 25	12 7 13 7
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08-10-2023 10:00 2my NML35 NGARA SNETRIDD 08-10-2023 19:13 3my NML35 NGARA SNETRIDD 08-10-2023 19:30 3my NML35 NGARA SNETRIDD 08-10-2023 19:43 3my NML35 NGARA SNETRIDD 08-10-2023 19:04 3my NML35 NGARA SNETRIDD 08-10-2023 19:04 3my NML35 NGARA SNETRIDD 08-10-2023 19:00 3my NML35 NGARA SNETRIDD	12.2 1	01 0 20 06 0 20	03 4	19 61 17 62	. 5	58 53 56 52	43 50 42 45	4		Excluded - Wind, Vehicle passibys. Excluded - Wind, Vehicle passibys.	2 2	25	26 . 27 .	25 27 27	25 27	25 25	25 25 28 28	25 29	27 28 30 31	30 3 32 3	33	35 38 36 37	41 41 39 39 36 37	41 35	37	40 43 40 41	41 33 36 37	35 26	14 8 16 9
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08-10-2023 11-95 Day NML35 NGARA SR48781DD 08-10-2023 12-00 Day NML35 NGARA SR48781DD 08-10-2023 12-15 Day NML35 NGARA SR48781DD 08-10-2023 12-30 Day NML35 NGARA SR48781DD	10.1 1 13.0 1	02 0 22 29 0 22	2.1 3	55 61 57 63	. 5	55 45	33 44 36 46	3		Wind, Vehicle passibys 5 min excluded Wind, Vehicle passibys 3 min excluded	1 1	16 21 17	15	22 22 18 18	19		24 24 21 22	22	24 24 25 25 24 25	27 21	30	29 30 32 33 32 34	38 39	35	22	31 28 34 31	25 24 26 27 29 32		12 8 13 8
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End Time Time Location Logger Mine Weather Data Raw 15-minute Statistical Data Logaum Likeq 15min tols Linear Requires F					
End Time Location Logger More Weather Date Rear 15-eight Stefance Date Logger Location Edger Ward Speed Print Stefance Internal Reports From Location Logger Rear 15-eight Stefance Date Logger Loren Edger Stefance Date Logger Dat	2016	tz 25Hz 31.5Hz 40Hz 50Hz 63Hz 60Hz	100Hz 125Hz 160Hz 200Hz 250Hz 315Hz 400Hz 500	OHz 630Hz 600Hz 1kHz 1.25kHz 1.6kHz 2kHz 2	Sanz 3.15kHz 46Hz SkHz 6.3kHz 8kHz 10kHz 12.5kHz 16kHz
(County Services) (may Sold) (my Sold 42.3 db Sold 42.3	Community (description that community)				
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05-10-2023 173-0 Day MBL3.5 NGARA SERTRIDO 14.4 S1 0 20 20 47 65 - 54 50 40 41 45 66-10-2023 173-0 Day MBL3.5 NGARA SERTRIDO 14.6 67 0 15.5 15 64 - 57 51 40 40 44 41 66-10-2023 173-0 Day MBL3.5 NGARA SERTRIDO 14.0 60 0 15.6 55 66 - 57 51 44 40 44 44 44 44 44 44 44 44 44 44 44	Excluded - Wind & Vehicle passiblys 5 min excluded	22 25 25 27 27 27 27 22 25 27 28 28 28	7 28 29 31 32 33 34 34 1 28 29 30 31 33 33 34	34 35 36 37 40 38 39	33 33 33 30 28 23 20 14 6 34 37 36 32 29 29 21 14 8
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06-10-2023-10-06 Serving MRL35 (NCMAR SERVINDO 13.7 70 0 16.7 65 55 - 54 51 40 47 45 60-10-2023-10-06 Serving MRL35 (NCMAR SERVINDO 13.0 71 0 16.2 75 57 - 54 50 42 47 44 60-10-2023-10-06 Serving MRL35 (NCMAR SERVINDO 16.2 71 0 15.8 74 64 - 57 51 43 49 48	Excluded - Wind Excluded - Wind	22 26 27 27 27 28 23 26 28 28 28 28 27	5 26 27 28 29 30 31 32 7 27 27 28 29 30 32 33	32 33 35 37 37 38 34 33 34 36 38 38 37 35	33 36 41 29 27 24 20 15 8 34 36 39 30 28 25 20 15 5
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G9-19-2021 1945 [Sweety MA.35 MCAPA SMETRICO 12 70 0 10 2 75 51 42 44 36 44 66 66 66 66 66	Excluded - Wind Excluded - Wind	19 21 23 23 23 23 17 19 21 21 21 21	23 24 25 25 27 28 28 22 24 25 26 27 28 28	29 30 32 33 34 33 31 29 30 32 33 32 30 28 24 26 28 27 25 23 22	30 34 36 26 24 21 17 13 8 26 30 35 24 22 20 16 13 8
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06-10-2023 21:05 Exercing (MALS) NGAPA SENTRICO 7-2 55 0 14 50 47 - 37 34 28 31 29 06-10-2023 21:00 Exercing (MALS) NGAPA SENTRICO 9.0 50 0 13.9 61 63 47 - 37 34 28 31 29 06-10-2023 21:00 Exercing (MALS) NGAPA SENTRICO 9.0 50 0 13.9 61 63 47 32 27 37 28	Wind & Cattle 3 min excluded	3 5 6 9 10 12 3 5 6 8 9 12	2 13 15 16 15 16 16 16 2 13 14 16 18 16 16 21	18 19 19 17 16 16 15 21 25 33 28 27 25 21	16 23 25 15 14 13 11 10 7 19 24 25 15 14 13 11 9 7
	Wind 5 min excluded	7 8 9 10 10 12 13 15 16 17 17 18	1 14 15 16 16 17 17 18 1 18 19 21 21 22 23 24	20 22 23 22 20 18 18 25 26 28 29 28 27 25	18 22 22 16 15 14 12 10 7 24 24 23 20 19 16 14 11 7
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06-10-2023 22-05 Naght NML35 NGAMA SKRSTRIDD 11.5 64 0 13.6 61 461 - 41 37 28 33 31 Dk, 550 dBA 66-10-2023 22-05 Naght NML35 NGAMA SKRSTRIDD 8.3 52 0 13.6 63 43 - 40 37 26 33 320 00 850 dBA		7 9 10 12 13 15 7 8 10 11 13 14	17 19 20 20 21 22 23 5 17 19 20 20 21 21 21 6 16 18 19 19 19 19 20	22 23 24 23 21 19 19 21 22 24 23 21 19 18	19 20 20 17 16 14 13 11 7 19 20 20 17 16 14 13 11 7
	A LAmux - Wind.	4 5 6 8 9 12	8 9 11 10 12 12 15	19 20 21 20 19 19 18 17 18 18 17 16 16 16	17 19 22 16 15 13 12 10 7 15 28 23 14 13 12 11 9 7
08-10-2023 23-45 North NML35 NGARA SNETSIDD 9.7 68 0 13.4 63 61 - 52 32 23 38 22 Check above 50 c	A Cattle, LAmax - Wind 1 min excluded	6 4 2 2 3 5 7 6 3 2 0 3	5 6 15 10 10 22 14 20	24 21 28 32 31 28 28	24 21 17 14 13 13 11 9 7
09-10-2022 000 Nagh 1863.25 NGARA SRETRICO 11.2 72 0 11.5 83 44 - 38 28 23 27 22 22 00,550 dBA 09-10-2022 015 Nagh 1863.25 NGARA SRETRICO 2.7 63 0 13.3 84 44 - 38 32 28 22 27 22 00,550 dBA 09-10-2022 015 Nagh 1863.35 NGARA SRETRICO 2.7 63 0 13.3 84 44 - 38 33 22 29 20,550 dBA		3 4 5 7 8 10	3 3 3 7 5 9 9 12 3 11 12 13 12 14 15 16 9 11 12 13 12 14 15 16	13 14 14 16 15 18 19 18 20 20 18 17 16 16 16 20 20 18 16 15 15	16 95 16 13 13 13 11 9 7 16 17 16 15 14 13 11 9 7 15 17 17 15 14 13 11 9 7
06-10-2023 030 Night NAIL35 NGARA SHETTED 8 8 74 0 13.1 86 44 35 32 32 34 29 28 28 0x.500 dBA 061-10230 045 Night NAIL35 NGARA SHETTED 7 2 67 0 13 64 47 37 27 29 24 27 34 0x.500 dBA 061-10230 045 Night NAIL35 NGARA SHETTED 6 1 67 0 12.8 85 37 32 29 25 27 29 28 0x.500 dBA		1 3 3 3 3 3 3	6 6 10 8 12 12 13	15 16 16 14 13 14 14 15 17 18 14 13 14 14	14 19 19 13 13 12 11 9 6
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09-10-2023 2:15 Might NML35 NGARA SN 6781DD 7:9 73 0 12.6 85 37 - 31 25 22 24 19 Dis, 550 dBA		-14 -12 -6 1 -3 -1	-1 -1 7 3 10 8 8	11 11 10 10 10 11 12 10 10 9 10 10 10 11	16 17 13 12 12 12 11 9 6 11 16 14 12 12 12 11 9 6
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		-15 -12 -2 4 4 7 -17 -15 -6 1 -2 3	7 9 11 6 13 9 6	8 7 11 11 12 13 13 7 6 7 8 10 11 11	13 54 14 13 12 12 12 10 6 11 13 13 13 12 12 12 11 9 6
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		-17 -15 -7 2 -2 2 -15 -12 -7 1 -2 2	2 2 1 0 1 2 4 8	12 16 21 25 31 32 32	25 25 22 19 15 13 11 9 6 32 37 39 35 31 27 17 12 7 34 37 42 34 28 25 17 11 7
09-10-2023 5-45 Might NML35 NGARA SNISTRIDD 2.2 303 0 10 97 65 - 59 52 35 48 30 Check, above 50 c	A LAmax - Birds	-14 -11 -6 0 -2 2 -11 -9 -4 1 2 7	6 3 2 2 5 9 14 7 6 8 8 9 13 17 21	15 18 22 30 37 35 37 21 24 30 38 43 37 37	35 38 42 37 27 28 19 11 7
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	Halicretar - 7 min aveloded	-1 1 3 7 9 12 11 13 13 14 14 16	2 14 17 14 12 16 17 18 5 17 25 27 25 34 37 35	34 34 34 33 34 34 34	31 37 38 31 31 35 24 11 7
09-10-2023 7:30 Day NBL35 NGARA SHETRIDD 7:9 68 0 16:7 66 65 - 56 48 40 46 38 09-10-2023 7:45 Day NBL35 NGARA SHETRIDD 11:2 70 0 17:1 62 63 - 55 49 42 47 48	Helicopter, Vehicle passibys and Birds 4 min excluded Wind, Vehicle passiby: - 4 min excluded	19 21 22 22 22 24 22 24 25 25 25 25 25	24 24 25 25 26 28 28 5 25 25 25 26 27 29 30	29 31 34 36 39 38 38 31 33 35 37 39 39 37	33 35 37 30 28 21 17 12 7 34 34 33 30 27 24 19 14 8
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0910-2022 920 Day NRLSS NCARA SNSTRIDD 13.7 75 0 19.3 49 05 55 52 40 40 85 0910-2022 915 Day NRLSS NCARA SNSTRIDD 14.4 69 0 19.7 46 61 55 52 40 40 48 44 44 45 0910-2022 915 Day NRLSS NCARA SNSTRIDD 14.4 69 0 19.7 46 61 55 51 30 40 40 44 44 45 0910 91 47 48 45 0910 91 47 47 48 45 0910 91 47 48 45 0910 91 47 48 45 0910 91 47 47 47 47 47 47 47 47 47 47 47 47 47	Excluded - Wind Excluded - Wind	24 27 28 29 28 28 24 27 29 29 29 28	1 29 29 30 32 33 34 34 1 28 28 29 29 31 32 33	34 35 36 38 40 39 38 34 35 37 38 40 39 37	34 34 34 31 28 24 20 14 8 35 34 32 31 29 25 20 15 5
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09-10-2022 10:00 Day NRL135 NGARA SALFORDD 10.8 65 0 20.9 40 69 - 55 49 37 47 42 42 09-10-2023 10:15 Day NRL135 NGARA SALFORDD 10.1 65 0 21.6 28 63 - 56 51 35 47 33	Excluded - Wind Wind, Birds 4 min excluded	21 24 25 26 26 25 17 19 20 22 21 22	5 26 26 27 27 28 29 30 2 22 23 24 25 26 27 28	28 30 31 33 42 41 40	
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	Wind 5 min excluded Wind 5 min excluded Wind 4 min excluded	19 21 22 23 22 23 20 22 24 24 24 25	3 23 24 25 26 27 28 28	29 30 32 33 34 33 32	32 34 32 29 26 25 18 12 7
00-10-2023 11:00 Day MALES NAGAR-SHEFFEDD 8.6 87 0 223 32 56 - 51 46 31 42 36 00-10-2023 11:50 Day NALES NAGAR-SHEFFEDD 8.3 113 0 225 25 56 - 51 47 36 44 41	Excluded - Wind	17 19 20 21 21 21 18 21 22 22 22 22	21 22 22 23 24 25 26 2 24 24 25 25 25 25 28 28	27 29 31 32 34 34 33 31 35 34 35 35 35 33	26 27 26 25 25 27 18 11 7 30 29 28 26 23 20 16 12 7
09-10-2023 12:00 Day NML35 NGARA SN:6781DD 10.1 88 0 23.2 32 73 - 51 47 34 44 37	Wind, Cattle 4 min excluded Excluded - Vehicle on site.	15 18 20 21 21 21 19 19 31 31 30 37	22 22 23 24 24 24 25	29 30 37 34 35 34 33	30 30 28 26 27 30 22 11 7
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09-10-2023 13:00 Day NRL35 NGARA SNETSTED 10.1 119 0 23:6 29 65 - 55 47 33 45 37 09-10-2023 13:15 Day NRL35 NGARA SNETSTED 9.4 91 0 23:8 30 62 - 56 44 30 44 33		17 19 20 20 20 20 20 12 14 15 15 15 16	5 21 27 25 23 25 25 26 20 21 22 22 23 24 25 17 18 19 19 20 21 21	26 28 31 33 37 38 38 23 25 26 29 39 38 35	30 32 32 28 25 24 16 11 7 29 32 29 25 24 23 15 11 7
	Wind 5 min excluded	22 25 27 28 27 27 9 9 10 16 14 77	7 27 26 26 27 28 29 30 1 21 17 20 21 25 26 28	31 32 34 36 39 39 38 27 28 27 27 33 34 91	32 31 30 28 27 25 19 13 8 29 27 24 22 25 27 19 10 8
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		5 6 7 8 9 12	2 11 12 13 13 14 17 19	19 20 21 24 31 32 32 20 22 23 26 31 29 30 19 30 20 20 24 24 25	29 31 30 23 18 16 12 10 2 32 34 34 35 26 30 30 23 45 35
00-10-2023 1515-00 writing (MALS) (MARA SYNERFITIOD 5.8 67 0 20.1 39 55 46 44 35 33 44) 28 00-10-2023 151-50 writing (MALS) (MARA SYNERFITIOD 5.4 60 0 20.1 39 55 46 44 35 41 28 00-10-2023 151-50 writing (MALS) (MARA SYNERFITIOD 7.6 67 0 19.7 41 51 - 47 44 42 43 27		4 4 2 0 2 8	6 6 7 8 10 17 20	19 19 19 19 20 23 21 18 20 20 19 19 20 20 21	25 34 30 24 16 17 13 10 7
		3 1 0 3 4 5	6 6 7 7 8 12 14	16 17 16 14 15 15 15 15 19 14 13 17 14 15	20 30 41 22 15 15 13 10 7 31 38 42 21 15 15 12 10 7 31 37 41 19 14 14 11 10 7
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09-10-2023 30:00 Fueries NAS 35 NGARA SN-8781DD 97 83 0 178 51 44 47 45 36 30 20		4 5 6 8 9 13	1 13 13 14 15 15 16 17	19 21 21 20 17 17 16	27 33 37 18 15 14 12 10 7
09-10-2022-20-15 Evening NMA-35 NGAMA-SHERTRIDO BE 61 0 1774 55 64 55 44 36 43 31 00-10-2022-20-20 Evening NMA-35 NGAMA-SHERTRIDO BE 61 0 1774 55 64 54 43 31 32 32 32 32 32 32 32 32 32 32 32 32 32	THE STATE OF THE S	5 6 8 10 12 14	22 19 27 29 35 33 31 4 15 16 17 18 18 18 18 18 5 16 17 18 18 18 18	33 33 34 30 26 22 18 19 20 21 20 18 16 16 18 20 20 18 17 16 16	26 30 35 18 15 14 12 10 2 25 30 34 17 15 14 12 11 23 26 28 16 15 13 11 10
09-10-2022 31:05 Evening 1MA3.5 NGAPA SYSTRIDO 9.4 33 0 16.6 63 43 - 38 36 30 33 30 50 50 50 50 50 50 50 50 50 50 50 50 50	Wind 5 min excluded	4 5 8 11 12 16	16 17 18 18 18 18 18	18 20 20 18 17 16 16 18 20 20 19 16 16 15 23 25 26 26 24 22 21	22 24 26 16 14 13 12 15 1
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09-10-022-1 of Newton (MALS) NGARA NEWTON (14 A) 20 0 16 72 46 4 5 46 3 3 77 3 4 6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Wind 5 min socksåed Wind 5 min socksåed Wind 5 min socksåed	10 12 14 15 16 18 8 10 11 13 15 17	1 20 22 23 23 24 24 24 1 18 20 21 22 22 22 22 1 15 10 17 18 18 18 18	24 25 27 27 25 23 21 23 24 25 25 23 20 19 19 20 21 20 16 16 16	24 25 25 19 18 16 13 10 2 22 22 23 18 16 14 12 10 7
09-10-2022 22:15 Nagel 888,35 GGARA SERVICO 6.8 45 0 15.5 72 44 40 35 26 32 35 DX, 520 dBA 09-10-2022 22:15 Nagel 88.35 NagARA SERVICO 6.8 32 0 15.5 75 45 35 31 25 22 24 00,550 dBA 09-10-2022 22:05 Nagel 88.35 NagARA SERVICO 90 23 37 0 15.2 75 55 37 32 32 32 24 30 24 Chack, above 36 0		4 5 7 10 11 14 -12 -8 -4 3 5 8 -11 -8 -4 4 5 9	15 16 17 18 18 18 18 1 7 9 9 14 12 12 13 2 6 8 7 14 11 11 13	19 20 21 20 18 16 16 12 12 11 10 9 10 10 12 15 21 18 21 15 12	20 21 21 15 14 13 11 9 7 14 23 23 13 12 12 11 9 7 12 24 23 12 12 12 11 9 7
09-10-2023 22-45 Neght NML35 NGARA SINSTRIDD 9.0 37 0 15.2 76 53 - 37 32 24 30 24 Check, above 50 d 09-10-2023 23:00 Neght NML35 NGARA SINSTRIDD 5.4 55 0 15 77 59 - 53 44 25 41 23 Check, above 50 d	A LAmax - Insects - 4 min excluded	-11 -8 -4 4 5 9 -12 -9 -4 4 4 8	0 6 8 7 14 11 11 13 1 6 8 8 15 12 13 16	12 12 11 10 9 10 10 12 15 21 18 21 15 12 24 28 34 35 34 32 27	12 24 23 12 12 12 11 9 7 25 22 20 13 12 12 11 9 7

End Time Time	Location	Logger	Mine Weather Dat	ta d Ethersdati	France Street/Str	Raw 15-minute S	natistical Data	1 400	Logsum LAsq15min tot LAsq SS30 Hz (incl +2.3 dB	Lmax Requires Further Review		Raw LAsq.	tinin 1,0 Sp	edrum	Iron. Ir	u. Iru.	Trong. Irreg. I	renta I no	no Parmo I	reside Lemma Territor I	rana. I mona. I	nu. Itan	w.l.m.	Taus Inc.	u. Iv resu. Ir	u. Inu. Irau. Inu	I seems I	ra mus I resus
Penoc	'		(kmhr) Dire	ction (mm)	Temp Humidity (oC) (%)	DATES DATES	LAI LAIO	LAGO	(incl +2.3 dB correction)	Review		JUNE J	OP12 31.56	u woru	SUPE 6.	and and	10002 12502	160PtZ 200	mz zounz	nonz wornz ouenz	530HZ 800HZ	1.254	4012 (1.6A7U	2872 2.56	nz Disknzw	anz senz sanz san	10012	12.56702 166702
09-10-2023 23:15 Night	NML35	NGARA SN 8781DD	6.5	50 0	14.0 70	51	40 2	7 24	23 24	Check, above 50 dBA	Comments (dominantholeworthy sources). LAmsx - Insects.	-	-13	9 4	4	6 1	0 7 9		15 13	12 13 13	13 16	18	21 2	12 17	16 17	17 12 12	12 11	9 7
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10-10-2023 0:00 Night 10-10-2023 0:15 Night	NML35 NML35	NGARA SN 8781DD NGARA SN 8781DD	5.0	55 0 71 0	14.4 80	38	34 2	5 22	25 10	Ck, 550 dBA Ck, 550 dBA			-17 -18	-16 -7 -16 -6	-2	1 3	2 -2 0	-2	-1 2 0 2	5 7 7	7 7 8 10	11	9 9	9 10	11 15	20 13 12 16 12 12	12 11 12 11	9 7
10-10-2023 0:15 Night 10-10-2023 0:30 Night 10-10-2023 0:45 Night 10-10-2023 1:00 Night	NWL35 NWL35	NGARA SN 8781DD NGARA SN 8781DD	6.1 6.5	51 0 54 0	14.2 80 14.1 82	43	27 2	3 22	23 16	Ok, 550 dBA Ok, 550 dBA			-19 -17	-17 -7 -17 -7	- 2	-2 -	1 0 2	-2	-1 1 -1 0	2 4 6	7 9 5 6	9	9 9	9 10 10 10	10 12 10 16	14 12 12 15 12 12	12 11 12 11	13 7
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End Time	Time Lo	ocation Logger	Min	ne Weathe	Date			Been	15 minute	Postation	d Pode		_	Loosum LAeq15min total Lmo	ax Requires Further		Many Lauren	Snin 1.0 Spect			_	_	_											
LIG III	Deriod	ocason Logges		nd Speed		and I	Temp Hum	side Law			LAN	0 1490	LAss		Review			2Hz 131,5Hz		OHr 53H	- BOHY	100Hr 125	SHY TIRDH	200Hr 250Hr 31	SHY LADONY LISON	r Esone	SOCHE THE	1 25304 / 1 /2007	29Hr 2 59Hr	1 150H - 401	Hr Tsette	5 79Hr 51	10000	tr 112.5kHz 164
					Direction (m		(%)	,			-			fincl +2.3 dB			1																	
														correction)																				
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		ML35 NGARA SN		4.0		0	13.2	51	63	ľ	53	50	34		k, above 50 d5A			-18 -14		è	-1 -1	-1		1 1 3	9 11	13 17	21 32	39 39	40 30	37	41 :	55 25	28 2	21 12
		ML35 NGARA SN		3.4	75	0	13.8	79	73	-	58	45	33			LAmax - Birds		-12 -11	- 6	-1	2 4	4	5	5 4 12	22 17	15 19	22 30	37 36	35 35	41	35 :	33 30	25 1	.9 11
		ML35 NGARA SN		2.2	55	0	13.8	79	65	-	58	50	35			LAmax - Birds. Airplane passbys, Bird calls - 5 min excluded		-11 -0	3 -3	-1	1 5	13	12 1	3 12 23	26 21 :	25 21	22 27	34 35	35 35	40	41 :	55 30	24 1	.7 11
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		ML35 NGARA SN		3.6		0	13.5				61	55		50 25 Check	k, above 50 dBA	LATER - DEGS		-13 -6	- 6	-1	2 5	7	14	8 8 11		17 23	26 35		45 35	38	37 :	13 29		
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11-10-2023 8:00	Day No	ML35 NGARA SN	ra1DD	4.3	37	0	17.9	67	63	-	58	51	30	47 25				-10 -6	1 4	-1	5 8	6	7	7 7 11	19 17	19 20	22 30	39 41	42 31	36	37 :	50 25	19 1	14 10
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End Time	Period Loc	cation Log	3ger	Mine Weather Dat Wind Speed Wind (km/hr) Direct	ta d Rain	stall Temp	Humidit (%)	Raw 15- by LAmex	LAlmax	LA1 L	LA10 LA90	LAsq	Logsum LAeq15min t LAeq s530 Hz (incl +2.3 dB	trax Requires Further Review		25Hz	15min 1.3 31.5Hz 4	Spectrum OHz SOHz	63Hz	80Hz 10	OHz 1258	tz 160Hz 20	Hz 250Hz	315Hz 40	10Hz 500Hz	630Hz	SOOHz 1kHz	1.25801	tz 1.5kHz	290Hz 2	2.5kHz 3.1	15kHz 4kHz	z SkHz	6.3kHz 8	kitz 10kir	tz 12.5kHz	16kHz
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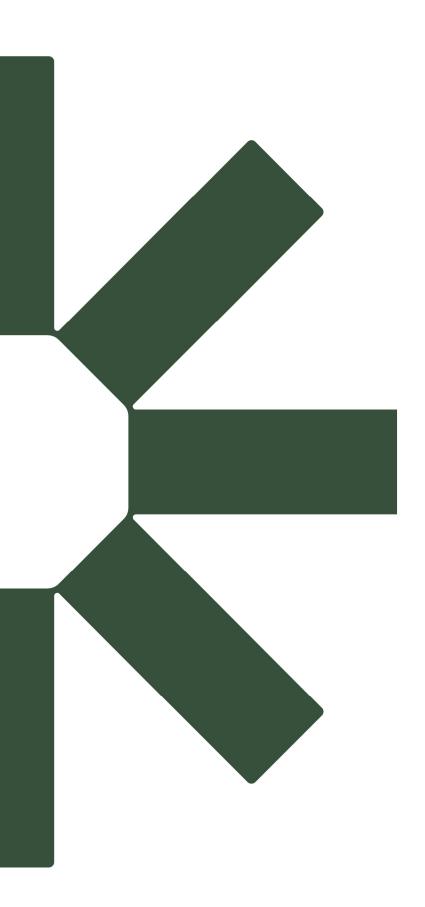
End Time 1	ime Veriod	Location L	gger	Mine Weathe Wind Speed (km/hr)	Wind Ru	ainfall Te	imp Humidity	Raw 15- ty LAmex	LAlmax L	A1 LA10	LAGO	LAsq LA	gsum L/Aeq15min to eq s630 Hz cl +2.3 dB	ta Lmax Requires Further Review		25Hz	31.5Hz 40F	edrum Iz 50Hz	63Hz 80H	z 100Hz	125Hz 160	Hz 200Hz	250Hz 315	Hz 400Hz 5	00Hz 530	0Hz 800	OHz 1kHz 1.	25801z 1.6ki	Hz 29Hz	2.5kHz 3.	15kHz 4kH	z SkHz	5.3kHz 8ki	tz 10kHz	12.5kHz 16
				,,		,	, , , ,					cor	mection) 2	3	Comments (dominant/hoteworthy sources).																				
19-10-2023 4:30 N	light light	NWL35 A	EL Ngara SN:8781CE*	5.0	95 90	0	12.2	87 54 88 57	4 0	49 52	40 21 47 2: 47 3	38	3	Check, above 50 dBA Check, above 50 dBA	Wind - Exclude Wind, Rooster - Exclude	4 2	8 7	12 15 10 14	17	19 21	21	22 2 20 2	2 21	21 22 19 20	23 22	23	18 19 18 19	32 35	26 25 31 35	27 34	28	26 2 28 2 31 2	4 13 7 25	10 8 27 13	1 6
19-10-2023 5:00 N	light light	NWL35 A	SL Ngara SN:8781CE*	5.4	56 92		12.4	87 57 88 63	7 0	53 51	47 3	43	2	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	Extraneous LAmax Extraneous LAmax	-3	2 2	5 9	9	13 1-	13	16 1	5 16	16 16	17	19	16 20 15 21	35 29	33 37 29 33	35	34	31 2	31	30 14 15 10	7 7
19-10-2023 5:15 N 19-10-2023 5:30 N 19-10-2023 5:45 N	light light	NWL35 A	R. Ngara SN:8781CE R. Ngara SN:8781CE R. Ngara SN:8781CE	4.7 5.8	94 94	0	12 1	20 62	9 0	61 55	51 21	40 48 43	3	Check, above 50 dBA Check, above 50 dBA	Wind, Birds LAmex - Exclude Bird LAmex	1	5	9 12 7 10	13	17 1	18	18 1	5 16	18 20 17 20	20	20	25 31 19 25	41 37	44 35 36 34	40	36	37 2	2 26	24 13 13 9	9 6
				7.2	89	0	12.8 13.4 13.9	87 68 85 62	8 0	50	45 3	47	3	Check, above 50 dBA	Wind - Esclude Wind - Esclude	5	9 8	13 16	18	20 2		24 2	4 24 2 22	24 25 22 23	25	25	24 25 22 25	38	35 35	23	39	43 2 35 2	28	24 13 16 14	4 7
19-10-2023 6:15 N 19-10-2023 6:30 N 19-10-2023 6:45 N			R. Ngara SN:8781CE R. Ngara SN:8781CE R. Ngara SN:8781CE	7.2	85 84	0	13.9	52 53 79 53	3 0	56 57	45 33 50 38	45		Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	Wind - Esclude Wind - Esclude	10	14	18 21	24 26	26 2	22 7 25 3 31	30 3	1 32	32 32 35 35	32	32	31 29	37	34 34 36 33	33	30	32 3	7 24	19 14	1 10
19-10-2023 7:00 N	light lay	NWL35 A NWL35 A	tL Ngara SN:8781CE* tL Ngara SN:8781CE*	13.3	83 87	0	15.2	75 69 68 70	9 0	63 61	57 44 56 43	54	5	Check, above 50 dBA	Wind - Eaclude Wind - Eaclude	21 19	24 22	26 29 24 28	32 31	35 3	36	30 4 30 3	1 42 9 40	44 44 41 42	44	44	44 43 42 42	41	35 35 40 35	ЯЯ	33	29 2	25	24 22 25 22	1 18
				12.6	85		16.9	59 77	7 0	62 68	57 4	53	5		Wind - Esclude Wind - Esclude	20 15	23	26 29	32	35 3	37	37 3	0 41 8 40	43 43	41	43	43 43	41 46	42 35 49 49	35	35	33 2	3 28	25 23 24 22	1 19
19-10-2023 7:45 0 19-10-2023 8:00 0 19-10-2023 8:15 0	tary	NWL35 A	tt. Ngara SN:8781CE tt. Ngara SN:8781CE tt. Ngara SN:8781CE	13.7	90	0 0	17.8	56 74 54 72	4 0	62 64	55 40	53	- 1	2	Wind - Esclude Wind - Esclude	18	21 22	24 27 25 28	30	33 2:	36	37 3 35 3	9 40	41 41	41	41	42 41 42 42	43	45 42 44 43	33	31	30 2	1 28	24 22 25 22	1 18
19-10-2023 8:30 0	lay	NML35 A	SL Ngara SN:8781CE* SL Ngara SN:8781CE*	12.5	89 93	0	18.6	54 66 52 66	5 0	50 59	56 43 53 40	52	5		Wind - Eaclude Wind - Eaclude	19	21	24 27 22 25	31 28	33 3	37	35 3	9 41 6 37	42 42 35 35	42 39	42 39	42 41 40 40	39	37 35 38 37	я	32 31	31 2 27 2	27	24 22 24 21	1 18
19-10-2023 9:00 0	tary	NWL35 A	tt. Ngara SN:8781CE tt. Ngara SN:8781CE tt. Ngara SN:8781CE	11.2	87 86	0	19.4	51 55	4 0	61 56	54 31	5 47		1	Wind - Esclude Wind - Esclude	15	21 17	24 27	30 27	32 3 29 3	35	35 3	7 39	40 41 36 36	41	41 37	41 40	39	36 35 33 32	33	31	28 2	7 28	24 22	9 15
19-10-2023 9:15 0 19-10-2023 9:30 0 19-10-2023 9:45 0	tay	NWL35 A	RL Ngara SN:8781CE*	9.4	100	0	20.4	47 65 46 64	4 0	57	53 34	5 47	-	7	Wind - Exclude Wind - Exclude	17	19	23 25 19 23	30 26	32 X 28 3	34	32 3	7 38 5 37	39 40 36 37	40 37	40 37	40 39 37 36	37	35 34 35 34	32	30	29 2	5 27	24 22 21 18	18 8 14
19-10-2023 10:00 0 19-10-2023 10:15 0 19-10-2023 10:30 0	lay	NWL35 A	tL Ngara SN:8781CE* tL Ngara SN:8781CE*	9.4	112 92	0		45 63 45 62	5 0	56	54 33 51 33	50		9	Wind - Exclude Wind - Exclude	15	19	22 25 18 21	28 24	31 X 27 3	3 34	35 3 32 3	5 35 3 34	39 39 34 34	40 36	30	39 38 37 37	37	35 38 35 34	35 31	31 26	25 2 23 2	26	23 20 20 17	7 13
	biry	NWL35 A	RL Ngara SN:8781CE* RL Ngara SN:8781CE*	12.2	125	0 0	21.7	44 64	4 0	53	52 30 52 30	48	_	9 8	Wind - Esclude Wind - Esclude	14	17	20 23	27 26	29 3 26 3	33	35 3	5 38	35 35 35 37	×	35	37 36 36 36	35	34 33 36 34	31	32	29 2	25	21 19	8 14
19-10-2023 11:00 0 19-10-2023 11:15 0 19-10-2023 11:30 0	lay	NWL35 A	RL Ngara SN:8781CE* RL Ngara SN:8781CE*	7.2 10.8	113 115	0	22.2	42 74 42 71	1 0	61 62	53 21 51 30	50		9	Wind - Esclude Wind - Esclude	15 14	20 17 16	23 26 20 23	25 25 26	31 X	35 33 32	37 3 35 3	9 40 6 37 5 36	40 39 37 37	35	35	37 37 36 36	39 42	37 33 42 41	34	36 29	35 4 25 3 34 2		26 24 24 12 23 12	22
19-10-2023 11:30 D				10.1 7.5	97 146	0	22.5	40 73 39 62	3 0	62 61 56	51 31 52 21 49 21	49		7 6	Wind - Exclude Wind - Exclude	13		19 23 18 21	26 24	25 3i 25 2i	32	34 3 32 3	5 36 3 34	36 36 34 34	35 34	35 34	36 36	42 42 32	42 41 32 33	34 31	35 28	24 2 23 2	7 26	23 19 20 16	1 14 5 12
19-10-2023 11:45 0 19-10-2023 12:00 0 19-10-2023 12:15 0	tay	NML35 A	ti. Ngara SN:8781CE ti. Ngara SN:8781CE ti. Ngara SN:8781CE	8.3 9.0	123	0	23.8	38 71 38 62	1 0	54	51 23 48 23	f 49 f 43		3	Wind - Exclude Wind - Exclude	14	17	20 23 19 21	25	29 3 25 2	34	30 3	8 38	38 37	36	35	35 35	37	35 41 31 31	30	27	25 2	4 25 5 24	22 18	. 15 3 14
19-10-2023 12:30 0 19-10-2023 12:45 0 19-10-2023 13:00 0	lay	NWL35 A	R. Ngara SN:8781CE R. Ngara SN:8781CE R. Ngara SN:8781CE	7.5 7.9	139 84	0		36 65 36 67	5 0 7 0	59 60	53 21 51 21	45	- 1	9	Wind - Exclude Wind - Exclude	15 15	18	21 24 21 24	27 27	30 X 29 3	33	35 3 36 3	7 38	38 38 39 38	38 37	35 37	38 38 37 35	37 34	36 36 35 35	31	30 30	25 2	25	23 20 21 19	15
19-10-2023 13:00 0	lay	NML35 A	tt. Ngara SN:8781CE tt. Ngara SN:8781CE tt. Ngara SN:8781CE	7.5	95 152			35 62 34 66	2 0 6 0	58 60	52 21 52 32	48	-		Wind - Exclude Wind - Exclude	19 15	21	23 25 23 25	25 25	30 X	34	35 3 35 3	7 38 7 38	38 37 39 39	36	37	37 37 35 37	35	33 32 33 36	31	30	27 2 29 2	27 26	24 21 23 20	17
19-10-2023 13:15 0 19-10-2023 13:30 0 19-10-2023 13:45 0	ary	NWL35 A	RL Noara SN:8781CE	10.4	131	0	25 :	34 63	9 0	59 57	52 23 49 30	46			Wind - Exclude Wind - Exclude	16	18	21 24 18 21	27 24	29 X 27 2	34	37 3	5 35	39 38 35 34	37	36	36 36 34 32	34	33 35	31	30	26 2 28 2	24	22 19 19 16	15
19-10-2023 14:00 0	lay	NML35 A	ti. Ngara SN:8781CE ti. Ngara SN:8781CE ti. Ngara SN:8781CE	11.2	125 150	0		34 62 33 59	9 0	55 49	45 21 43 21	44		9	Aircraft, Wind - 5 min excluded Helicopter Byover, wind, RTN - 3 min excluded	7	12 12		23 20		28	30 3 27 2	0 32 5 25	32 33 26 27	33 28	23 28	34 33 26 25	28	30 30 29 29	31 29	26	27 2 26 2	21	17 15 17 14	4 10
19-10-2023 14:30 0 19-10-2023 14:45 0 19-10-2023 15:00 0	lay	NML35 A	tt. Ngara SN:8781CE tt. Ngara SN:8781CE tt. Ngara SN:8781CE	9.0	113	0	25.9 25.4	32 66 33 64	4 0	59 52 65	46 21 41 2- 43 2-	46	- 1	3	Wind - Exclude Aircraft - 2 min excluded	9	13	16 19 9 12 17 23	21 14	23 2: 16 1i	28 20 20	29 2 20 2	9 29 0 19 2 34	29 28 19 21	29 23 43	23	29 29 21 20	40 28 38	40 35 31 32	32	22	25 2 26 2 22 1	25	19 15 23 14 13 10	12
19-10-2023 15:00 0 19-10-2023 15:15 0 19-10-2023 15:30 0	lary lary	NWL35 A	tt. Ngara SN:8781CE tt. Ngara SN:8781CE tt. Ngara SN:8781CE	5.1 9.4	100	0	25.7	33 72 32 53	3 0	65 46	41 21	3.7			Alecnaft - 2 min excluded Wind - 3 min excluded	10		17 23	24 20	23 25 24 25	24	32 3 25 2	2 34 5 23	39 42 23 24	43 26	42 28	42 40 27 24	23	36 32 21 21	22	27	22 1	17	13 10 16 13	10
	biry	NWL35 A	RL Noara SN:8781CE1	7.9	132			32 59	9 0	50	42 21		3	2	Wind - 3 min excluded	10	10	7 11	22 12	23 25 16 10		26 2 17 1	7 28	28 28 19 21	23	23	30 28 23 26	32	29 29 33 32	23	25	20 1	18	16 13 15 10	2 7
19-10-2023 16:00 D	lay	NML35 A	EL Ngara SN:8781CE EL Ngara SN:8781CE	9.0	161	0	25.7	34 62 33 62	2 0	53 55	39 21 47 3	44	- 4	3	Wind - Exclude	-4 13	14	19 22	7 23	9 11 25 21	10	9 32 3	9 10 1 30	13 16 31 32	33	34	20 23 32 31		30 37	35	34	25 2	7 25	16 11	4 11
19-10-2023 16:30 0 19-10-2023 16:45 0	ary.	NWL35 A	tL Ngara SN:8781CE* tL Ngara SN:8781CE*	5.5 5.0	103	0	25.5	22 62	0 0	50 52	50 33 51 38	1 49 1 49			Local Engine Notes - Exclude Local Engine Notes - Exclude	7 5	13	15 20 16 21	23 24	29 2 30 2	32	35 3 37 3	2 30	32 37 36 40	36	33	35 37 38 39	38	37 35 35 35	36	33	42 2 29 2	4 28 5 21	24 13 18 13	. 8 3 10
19-10-2023 17:00 0 19-10-2023 17:15 0 19-10-2023 17:30 0			RL Ngara SN:8781CE RL Ngara SN:8781CE	5.8 7.2	105	0	25.4 24.9	33 70	9 0	47	40 30 41 30 46 35	39	3	5	Wind - 1 min excluded	3	7 8	10 14	17	19 2 20 2	22 24	23 2 25 2	2 21 5 25	20 23 25 25	26 28 33	25	25 27 25 27	31 29	27 35 26 25	22	24	24 1	15	13 10	3 8
19-10-2023 17:45 0	tay	NVL35 A	EL Ngara SN:8781CE EL Ngara SN:8781CE	7.2 6.5	103	0	23.5	35 55 37 55	5 0	51 49	44 31	41	-	1	Wind - Exclude Wind - Exclude	13	12	16 19	22	25 2	27	29 2	9 30	31 32 28 29	31	31	31 30 29 28	29	29 29 30 28	25	25	27 2 25 2	1 19	15 13 16 13	3 3
19-10-2023 18:00 0 19-10-2023 18:15 8	vening	NWL35 A	EL Ngara SN:8781CE EL Ngara SN:8781CE	5.8 9.0	29 54	0	22 4	39 71 41 64	4 0	57 57	56 3: 49 3:	54 46	- 1		Aircraft, Wind - Exclude Aircraft, Wind - Exclude	23 13	25 16	32 34 19 22	25	35 40 28 31	2 46 2 30	47 4 31 3	9 29 5 45 3 34 2 43	41 41 35 36	31 41 36	41 36	40 40 35 34 42 45	39 34	36 35 31 32 41 38	31	29 34	25 2 29 2 30 2	21 21	17 15 19 17	7 13
19-10-2023 18:30 8 19-10-2023 18:45 8 19-10-2023 19:00 8	prinav	NML35 A	tt. Ngara SN:8781CE tt. Ngara SN:8781CE tt. Ngara SN:8781CE	12.5	79		21.5 21.3 20.9	41 74	2 0	70 46	48 34 44 33 43 33	41			Aircraft, Wind - 3 min excluded Wind - Exclude	13	13	23 25 14 17	19	27 21 21 2 19 2		25 2	2 43 5 25	42 45 25 25	46 26	30	47 45 29 27		27 28 27 29	29		31 2 33 2 34 1	17	15 13	3 9
19-10-2023 19:15 8	vening	NML35 A	SL Ngara SN:8781CE	13.0	78	0	20.5	43 54	4 0	46	45 31	42	4		Wind - Exclude Wind - Exclude	10	12	15 19	21	22 2	25	26 2	7 27	27 28	30	31	31 29	30	29 31	31	32	34 2	18	16 14	4 10
19-10-2023 19:30 to 19-10-2023 19:45 to 19-10-2023 20:00 to	vening	NML35 A	tt. Ngara SN:8781CE tt. Ngara SN:8781CE tt. Ngara SN:8781CE	13.0	73	0	20 4	44 63	9 0	63	43 3: 45 3: 50 3:		- 1		Wind - Exclude	11	7	11 23	17	21 2 27 2	21	33 3	2 22 4 35	35 40	39	40	40 38	35	28 30 32 33	31	31	33 1	16	14 12	4 8
19-10-2023 20:15 E 19-10-2023 20:30 E	vening	NML35 A	EL Ngara SN:8781CE EL Ngara SN:8781CE	9.0	59	0	18.9	49 57	7 0	53	49 31	46	-		Wind - Exclude	11	14	18 21 18 21	24	26 2	28	29 3	0 31	31 32	34	35	38 38	35	32 31	30	29	30 2	2 22	19 17	13
19-10-2023 20:45 th 19-10-2023 21:00 th	vening	NML35 A	EL Ngara SN:8781CE EL Ngara SN:8781CE	10.4	63		17.9	54 50	6 0	51	47 31	44			Wind - Exclude	9	13	17 20	22	24 2	27	28 2	9 29	29 30	33	35	37 36	32	30 30	29	25	25 2	21	18 16	12
19-10-2023 21:15 E 19-10-2023 21:30 E	vening	NML35 A	RL Ngara SN:8781CE RL Ngara SN:8781CE	8.5	64	0	17.3	57 55	5 0	52	45 4	45	- 1		Wind - Exclude Wind - Exclude	9	13	17 20	22	24 2	27	28 2	9 30	30 31	33	37	29 35	35	31 31	30	25	26 2 26 1	2 22	19 17	1 12
19-10-2023 21:45 @	vening	NML35 A	KL Ngara SN:8781CE*	6.1	55	0	16.5	60 51 62 52	1 0	46 47	41 3		- 3	7	Wind - Exclude Wind - Exclude	3	7	11 13	15	17 11 21 2	20	20 2	1 22	23 25	28	30	30 27 32 28	24	22 22	21	24	26 1	15	13 11	8 9
19-10-2023 22:00 ft 19-10-2023 22:15 N 19-10-2023 22:30 N	light light	NML35 A	EL Ngara SN:8781CE EL Ngara SN:8781CE El Noara SN:8781CE	10.4	72 74	0	16.5	63 63	3 0	48 47	43 32 39 30 37 21	40	3	Check, above 50 dBA Ok, 550 dBA	Wind, RTN - Exclude Wind, RTN - 1 min excluded	7	10	12 15 17 23	17	19 2	22	23 2	4 24	25 27	29	31	31 30	30	30 28	25		24 1 24 1 23 1	16	13 11	8 7
19-10-2023 22-45 N 19-10-2023 23:00 N	light light	NML35 A	EL Ngara SN:8781CE*	11.2	74	0		54 47 54 50	7 0	40	35 21	32	2	Ok, 550 dBA Ok, 550 dBA	Wind - 4 min excluded Wind - 5 min excluded	1 2	5	9 12		15 1	15	19 1	9 19	19 21 21 22	23	22	19 14 21 16	13	12 12	13		22 1	12	11 9	7 7
19-10-2023 23:15 N	laht	NML35 A	t. Ngara SN:8781CE t. Ngara SN:8781CE t. Ngara SN:8781CE	10.4	75 76	0	16.2 4	65 53 65 52	3 0	45 46	38 21 42 31	36	3	Check, above 50 dBA	Wind - Esclude Wind - Esclude	5	9	13 16	18	20 2	22	23 2 25 2	3 23	24 25 26 26	26	27	25 22 28 25	18	16 16 24 25	16 25	22	21 1	15	13 11	2 8
19-10-2023 23:45 N 20-10-2023 0:00 N				10.4	51 78	0	15.9	65 54 65 56	6 0	49 51	43 33	41	3	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	Wind - Eaclude Wind - Eaclude	6	10	14 17	19 20	21 2	2 24	25 2 31 2	6 26 7 28	26 27 28 29	28 30	30	30 29 31 26	30 22	30 31 20 18	31 18	25 19	22 1 19 1	17	15 13 14 12	2 9
20-10-2023 0:00 N 20-10-2023 0:15 N 20-10-2023 0:30 N	light light	NML35 A NML35 A	EL Ngara SN:8781CE EL Ngara SN:8781CE	10.5	76 72	0	15.9 6	55 54 55 47	4 0 7 0	48 39	44 3° 33 21	39	- 4	Check, above 50 dBA Ok, 550 dBA	Wind - Exclude Wind - 2 min excluded	7	11	15 18 8 11	20 12	22 2	3 25 3 16	26 2 16 1	6 27 6 16	27 28 18 21	30 23	31 22	31 28 19 14	26 12	25 25 11 11	25 12	22 18	19 1	7 17	14 12 10 9	3 7
				11.9	71	0 0	15.7 6	55 40 55 49	9 0	36 45	32 21 39 2: 30 2:	35	- 3	0 Ok, 550 dBA 2 Ok, 550 dBA 5 Ok, 550 dBA	Wind, Local Extraneous - 1 min excluded	- 4	6	9 12	13	15 1	13	13 1	7 17	16 20 18 22	22	25	17 14 24 24	13	12 11 25 26	25	17	17 1	1 11	10 8	3 7
20-10-2023 1:15 N 20-10-2023 1:30 N	light light	NML35 A NML35 A	t. Ngara SN:8781CE t. Ngara SN:8781CE t. Ngara SN:8781CE	2.0 8.3	76 75	0 0	15.4 0	55 45 55 33	0 0	34 29	26 23	24	2	Ok, s50 dBA		-7	-3	6 9 1 7	10 7	12 1	13	13 1	7 9	15 18 11 13	19	17	13 12 8 8	11	11 10 10 5	10	16	16 1	10	9 9	1 12 5 6
20-10-2023 1:45 N			tt. Ngara SN:8781CE tt. Ngara SN:8781CE tt. Ngara SN:8781CE	7.2 6.1	72 68	0		65 32 67 62	2 0	25 45 28	26 21 32 21 25 2		2	Ok, 550 dBA Check, above 50 dBA	RTN LAmax - 2 min excluded	-4	1	12 17	7 13	7 1	15	5 19 1	9 15	12 15 21 24	14	27	8 7 28 28	7 29	8 8 29 27	8 25	15 23	20 1	9 18	9 8	1 7
20-10-2023 2:30 N				5.4 7.2	49 63		14.7	59 32 71 57	7 0	28 52	25 2°	23 36		2 Dk, 550 dBA Check, above 50 dBA	Extraneous L/enax	-13 -14	-10 -9	4 2	8	12 1	1 10	4	2 8 4 7	9 10	13	11	8 7 10 18	35	7 8 28 24	17	14	13 1	9 10	9 5	5 6
20-10-2023 2:45 N 20-10-2023 3:00 N	light light	NML35 A	tL Ngara SN:8781CE tL Ngara SN:8781CE	6.5 6.5	70 76		14.5	73 35 75 56	5 0	30 52	25 21	24 36	2	Check, above 50 dBA	Extraneous L/enax	-13 -15	-11 -11	-1 5 -6 2	3	16 1-	13	4	3 5	7 8 9 11	12	14	6 7 10 18	34	8 8 27 25	18	13	12 1	9 9	9 8	5 6
20-10-2023 3:15 N 20-10-2023 3:30 N 20-10-2023 3:45 N			tt. Ngara SN:8781CE tt. Ngara SN:8781CE tt. Ngara SN:8781CE	5.5 5.8	78 69	0	14.4	77 30 78 57	7 0	24 50	22 2° 24 2° 22 2°	21	1 2	5 Ok, 550 dBA 2 Check, above 50 dBA 1 Check, above 50 dBA	Rooster LAmex Rooster LAmex	-16 -8	-12 -3	5 8	7	7	5 1	5	2 6 5 8	7 7	11	13	7 8	33	9 9 25 23	17	13	11 1	9	9 8	. 6
				47	81 76	0	13.5	78 58 79 58	8 0	53	29 21	36	2		Browler Army	-12 2	-7 4	-1 4 -3 9	12	12 1	10	9 1	5 7 0 11	8 9 14 14	14	13	9 16 12 18	33	26 23 28 25	16	12	12 1	10	9 8	5 5
20-10-2023 4:15 N 20-10-2023 4:30 N	light light	NML38 A NML38 A	tL Ngara SN:8781CE tL Ngara SN:8781CE	4.0	72 65	0	13.5	50 59 50 58	8 0	54	23 21 26 21	35	2 2	Check, above 50 dBA Check, above 50 dBA	Bed LAmax	-13 -15	-11 -11	-5 2 -6 1	1 2	4 :	3 0	2 2	3 4	5 7 5 8	13	17	10 16 12 19	33	27 24 29 25	18 21	15	13 1	10	9 9	5 6
20-10-2023 4:45 N 20-10-2023 5:00 N	light light	NML35 A	EL Ngara SN:8781CE EL Ngara SN:8781CE	3.5	66 48	0	134	80 60 81 63	3 0	55 57	42 23 48 3	45	2	Check, above 50 dBA Check, above 50 dBA	Bird LAmax Bird LAmax	-15 -14	-11	-6 1 -3 4	3 8	3 1	1 1	7	4 6 7 6	5 9	14	21	17 22 19 27		33 31 37 35	31	29	24 2 31 2	28	26 11 29 14	4 7
20-10-2023 5:00 N 20-10-2023 5:15 N 20-10-2023 5:30 N	ight light	NML35 A	t. Ngara SN:8781CE t. Ngara SN:8781CE t. Ngara SN:8781CE	1.5	13 43	0	12.9 12.5	63 55 55 58	8 0	53	44 2: 44 2:	42	2	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	BIFO LYTEX Altoraft - 4 min excluded	-12	-9 11	0 12	21 18	24 1	1 14	30 2	6 30	у 12 28 29	27	13 28	15 22 27 26	31	36 35 33 32	35	33	30 2	23	18 10 13 9 24 15	2 F
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20-10-2023 8:00 0				10.1	65	0	19.1 4 19.7 4	63 70	0 0	56 57 54	45 3 46 3 47 3	47			Wind - 3 min excluded Wind - 5 min excluded BTN: Wind - Factoria	6	10	14 17	19	21 Z 20 Z 23 Z	23		4 24	24 25	30	32	33 31		33 33 42 37 34 40	32	39	39 3	25	29 17 22 18 18 15	13
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End Time		1					h																								
End time	Period	Logger	Wind Speel	d Wind #	tainfall T	Temp Humidity	LATRIX L	Almax L	A1 L	A10 LAGO	Logsum LAeq15min t LAeq LAeq S530 Hz (Incl +2.3 dB	tres Requires Further Review		25Hz	31.5Hz 40Hz	50Hz	63Hz 80Hz	100Ptz	125Hz 1601	z 200Hz 250H	z 315Hz 4	00Hz 500Hz	630Hz 80	OHz 1kHz	1.25MHz 1.6ki	Hz 2kHz	2.5kHz 2	15kHz 4kHz	5kHz 6.3k	tz SkHz 10ki	tz 12.5kHz 164
			(Kalais)	Dieda. I	,	UL) ((A)					(Incl +2.3 db correction)																				
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20-10-2023 11:15	Day NML35	ARL Noara SN:8781CE	5.	4 52	0	24.8 3	10 75	0	44	39 2	8 52 7 36	31	RTN, Residential noise - 5 min excluded	-1	17 2 2 1	7 33 7 14	27 3 14 1	9 15	15	15 14	14 15	18 20	22	24 2	2 43 6 25	42 4 25 2	9 25	23 2	14 35	29 24 23 15	20 20 11 8
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			9.	7 55 4 58		22.4 51 21.6 5	50 53 53 54	0	48 50	45	9 42	22	Wind - Esclude Wind - Esclude	5	9 1	3 16	18 2 21 1	2 24	22 25	23 23 26 27	23 24	27 30 28 31	34	34 3	2 28	25 2	7 26	31 3	6 20 6 22	18 16 20 18	14 10
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20-10-2023 22:15	Night NAVL35	ARL Ngara SN:8781CE ARL Ngara SN:8781CE	9.	7 65	0	17.5 S	19 58	0	47	42	4 39	Check, above 50 dBA	Wind - Exclude	2 10	10 1	3 16	18 2	0 21	25	25 25	5 26	27 29	31	30 2	5 22	20 1	9 19	27 3	11 15	14 12	13 10
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20-10-2023 23:00 9	Wight NAVL35	ARL Ngara SN:8781CE ARL Ngara SN:8781CE	5. 5.	3 56	0 0	16.9 8	55 51 56 60	0	46 52	41 3	3 38 2 41	SE Check, above 50 dBA 41 Check, above 50 dBA	Wind - Exclude Wind - Exclude	4 7	8 1 11 1	2 15 7 18	20 2	4 20 3 23	22	25 25	25 25 25 25	25 28 29 31	30	29 2	4 20	15 1 25 2	6 16 6 25	27 3	10 14	13 11	9 8
20-10-2023 23:30	Wight NAVE.35	ARL Ngara SN:8781CE ARL Ngara SN:8781CE	7.	E 49	0	16.5	58 54	0	47	43 :	2 30	22 Check, above 50 dBA 36 Check, above 50 dBA	Wind - Exclude	7	11 1	4 15	20 2 18 2	1 23	24 22	25 25 .	27 25 24 24	27 30 26 28	32	31 2 29 2	5 24	22 2	1 20	25 2	15 15	14 12	50 7
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21-10-2023 0:15 0	Wight NVL35	ARL Ngara SN:8781CE ARL Ngara SN:8781CE ARL Ngara SN:8781CE	6.	5 53 8 47	0	16.1 9 16 9	21 58	0	45	39 3	2 37	65 Check, above 50 dBA 37 Check, above 50 dBA	Wind - Exclude	19	9 1	3 17 2 15	17 1	9 21	30 22	30 30 23 23	37 35 34 24	37 39 25 28		39 3 27 2	9 35 2 19	17 1	5 14	25 2	7 14	12 10	9 7
21-10-2023 0:45 8	Wight NAVL35	ARL Nears SN:8781CE* ARL Nears SN:8781CE*	5.	8 59 8 42	0 0	15.9 90 15.6 90 15.6 90	22 49	0	42 38	35 3	1 35	25 Ok, 550 dBA 30 Ok, 550 dBA	Wind - Exclude	i u	7 1	1 14	15 1	7 18 2 14	20 14 21	20 20 .	15 17	24 27		25 2	0 17 4 12	15 1	3 13 0 11	25 2	17 11 15 10	11 10	8 6
21-10-2023 1:15	Wight NAVE 35	ARL Ngara SN:3781CE ARL Ngara SN:3781CE ARL Ngara SN:3781CE ARL Ngara SN:3781CE	5.	0 47 6 71	0	15.6 93	23 49	0	43	35 3	1 35	M Ok, 550 dBA M Check, above 50 dBA	Wind - Exclude Wind RTN - Exclude	4	8 1	2 15	16 1	8 20	21	22 22	22 22	20 22 24 27 27 29	25	25 2	0 17	15 1	4 13	25 2	15 11 14 12	11 10	8 6
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21-10-2023 2:30	Night NA/L35	ARL Ngara SN:8781CE ARL Ngara SN:8781CE ARL Ngara SN:8781CE	3. 2.	5 59 7 56	0	16.1 9 16.2 9	91 52 90 58	0	47 48	42 3 45 3	0 39	Check, above 50 dBA Check, above 50 dBA	Wind - Exclude Wind - Exclude	5	9 1	4 17	19 2	9 21	23 23	25 24	35 25 35 25	27 29 27 30	33	31 2	3 30	25 2	8 16 8 28	22 2	14 15	13 11	9 7
			7.	5 57 2 57	0	16.3 9	0 55	0	50 42	44 3 37 2	4 41	Check, above 50 dBA	Wind - Exclude Local Extraneous, Wind - 2 min excluded	5	9 1	3 16	18 1	9 21 2 13	22 14	23 23 .	23 24	26 30 21 24	32 24	33 3 23 2	2 34 3 22	30 2	9 28	25 2 21 2	14 17	15 13	11 7 9 K
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21-10-2023 4:00	Wight NML35	ARL Ngara SN:8781CE	7.	2 53		16.2 8	9 56	0	45	37 3	5 35	33 Check, above 50 dBA	Brds, Wind	0	4	7 10	11 1	3 14	15	15 15	5 18	22 26	25	23 1	8 30	23 2	1 23	24 2	18	11 9	8 6
21-10-2023 4:15	Wight NAVE.38	ARL Ngara SN:8781CE ARL Ngara SN:8781CE	5.	1 53 8 63		15.2 8: 15.9 9:	99 58 90 59	0	52 52	38 2 41 2	5 37 4 39	Check, above 50 dBA Check, above 50 dBA	Bird LAmax	-5	4 -	1 4	5	5 7	4	7 7 4 5	9 13	19 21 15 16	19	17 1	9 34 8 34	29 2 28 3	6 26 0 29	26 2 30 2	8 22 19 26	15 10	8 6
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21-10-2023 5:15	Wight NML35	ARL Ngara SN:8781CE ARL Ngara SN:8781CE ARL Ngara SN:8781CE	5.	5 53	0	15.4 9	21 71	0	55	44 2	7 46	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	Bird LAmax Bird LAmax	-12	9 -	4 1	7	6 6	3	4 5	5 11	13 14	14	15 2	5 34	44 3	8 33	25 :	14 29	23 17	12 7
21-10-2023 5:45	NML35	ARL Ngara SN:8781CE	4.	7 61	0	15.5 9 15.9 8	0 69	0	51	50	7 45	Check, above 50 dBA	Brd LAmex	-9	4 -	1 2	- 6	8 7	6	9 6	10 13	22 24 16 17	15	18 2	6 36	45 4	0 37	37 3	55 33	25 23	13 7
21-10-2023 6:15	Vight NML38	ARL Ngara SN:8781CE ARL Ngara SN:8781CE ARL Ngara SN:8781CE ARL Ngara SN:8781CE	7.	5 57	0	16.6 50	5 55	0	57	46 2	B 46	Check, above 50 dBA	Wind, Birds - 5 min excluded	-0	-3 6 1 9 1	0 12	14 1	6 / 6 17 8 20	18 21		20 21	23 27 26 30		30 3 35 3	9 39 2 40 5 41	35 4	0 34	30 3 32 2	4 31	27 21 22 19	14 8
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21,10,2023 7:30	Day NW 32	ASS Noors SN-8781CE	15.	5 30	0	19 7	rt 66	0	55	46 3	5 44 6 53	90	Wind - Exclude Wind - Exclude	- 6	10 1	3 16	19 2	1 22	23	24 25 .	25	28 31		34 3	4 37	36 3	5 32	31 3	7 27	26 21	17 11
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21-10-2023 13:00	Day NML35	ARL Ngara SN:8781CE	4.	5 65 7 64	0	29.2 25	25 53 26 58	0	72	40 2	5 39 7 59	37	Truck pass by - 1 min excluded	15	10 1 22 2	3 16 8 30	30 3	12 37	39	42 -	12 44	43 46	49	22 2 51 4	9 51	30 2 49 4	7 27 8 47	25 2	5 27 19 38	22 18 34 30	19 19 26 19
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price vital dual connection)		Community (description)	
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211-0-2023-20-15 Swining NML-38 ARL Ngara SWISTRICE* 6.8 50 0 22.8 50 50 0 46 44 40 40 211-0-2023-20-20 Swining NML-38 ARL Ngara SWISTRICE* 7.2 50 0 22.5 55 54 0 46 44 30 44 211-0-2023-20-20 Swining NML-38 ARL Ngara SWISTRICE* 6.5 50 0 22.5 56 54 0 46 43 37 44 32 11-0-2023-20-20 Swining NML-38 ARL Ngara SWISTRICE* 6.5 50 0 22.2 60 44 0 0 45 43 37 44 32 11-0-2023-20-20 Swining NML-38 ARL Ngara SWISTRICE* 6.5 50 0 22.2 60 44 0 0 45 43 37 44 32 11-0-2023-20-20 Swining NML-38 ARL Ngara SWISTRICE* 6.5 50 0 22.2 60 44 0 0 45 43 37 44 32 11-0-2023-20-20 Swining NML-38 ARL Ngara SWISTRICE* 6.5 50 0 22.2 60 44 0 0 45 43 37 44 0 45 43 0 45 43 37 44 0 45 43 0 45 43 0 45 43 0 45 43 0 45 0 45	22	Wind - Exclude Wind - Exclude	2 5 8 11 13 15 16 17 18 19 20 22 28 31 32 27 33 30 26 22 22 30 31 52 17 15 11 9 4 4 4 3 5 8 8 9 11 9 12 9 13 13 16 19 20 22 28 31 32 37 33 30 26 22 22 30 35 21 17 15 12 9 3 13 14 15 15 16 17 16 17 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18
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21-10-2023 22-15 Naght NML33 ARL Ngara SNR781CE 5.6 50 0.202 70 54 0.52 47 38 44 21-10-2023 22-20 Naght NML33 ARL Ngara SNR781CE 5.6 50 0 19.6 72 53 0.5 0.47 40 44 21-10-2023 22-45 Naght NML33 ARL Ngara SNR781CE 5.6 55 0 19.6 73 60 0.52 48 40 44 45 21-10-2023 22-45 Naght NML35 ARL Ngara SNR781CE 5.6 55 0 19.6 73 60 0.52 48 40 44 45 45	60 Check, above 50 dBA 61 Check, above 50 dBA	Wind - Exclude Wind - Exclude	3 6 9 12 14 15 17 19 20 20 21 21 22 27 33 36 38 38 34 30 27 28 28 32 20 18 15 15 10 3 7 10 13 15 16 19 20 21 21 22 24 28 33 35 36 38 34 30 22 28 27 31 20 19 16 13 10
21-10-2023-22-45 Night NML38 ARI, Nigara SNS781CE 5.8 56 0 19.6 73 60 0 52 49 40 46 21-10-2023-23-00 Night NML38 ARI, Nigara SNS781CE 6.8 42 0 19.4 73 59 0 55 52 43 49	41 Check, above 50 dBA 42 Check, above 50 dBA 43 Check, above 50 dBA	Wind - Exclude Wind - Exclude	3 7 10 13 54 16 18 20 21 22 23 25 29 33 37 49 49 36 32 31 29 28 31 21 19 17 14 10 0 36 3 3 3 37 49 49 36 32 31 29 28 31 21 19 17 14 10 0 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4
21-10-2022 22:00 Seight MALS3 ARL Ngare SNR376CE* 6.8 42 0 19.4 73 59 0 55 52 43 40 21-10-2022 22:05 Neight MALS3 ARL Ngare SNR376CE* 8.3 40 0 19.5 73 59 0 55 52 44 55 51 41-10-2022 22:15 Neight MALS3 ARL Ngare SNR376CE* 8.3 40 0 19.5 73 59 0 55 52 44 55 51 45 10-2022 22:15 Neight MALS3 ARL Ngare SNR376CE* 10.1 31 0 19.4 73 55 0 57 53 44 55 6		Wind - Exclude	10 12 15 17 18 22 22 24 25 22 27 28 31 32 40 44 45 42 40 37 34 31 31 24 22 20 17 13 9 13 15 22 10 23 25 24 26 27 31 35 39 43 44 45 43 39 35 33 30 31 24 22 19 16 3
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22-10-2023 0:00 Naght NML38 ARL Ngara SNR78TCE 10.4 33 0 19 75 57 0 55 52 44 49 22-10-2023 0:15 Naght NML38 ARL Ngara SNR78TCE 12.5 32 0 18.7 76 59 0 57 54 46 51	64 Check, above 50 dBA 64 Check, above 50 dBA 65 Check, above 50 dBA	Wind - Exclude	6 9 12 14 15 16 18 20 21 22 22 22 27 28 31 32 44 44 44 56 43 31 31 20 30 22 21 15 15 11 19 11 19 11 19 11 10 10 10 21 24 22 28 27 28 31 32 48 44 44 45 46 40 37 34 31 20 30 32 22 21 10 15 11 14 10 11 10 10 10 20 21 24 22 28 27 28 31 32 48 44 44 45 45 40 37 34 31 31 22 30 31 24 22 20 21 10 15 11
22-10-0223 30 Night Next 36 Nick Night Shift Shi	64 Check, above 50 dBA	Wind - Exclude Wind - Exclude	
22-10-2023 1:50 Night NML35 API, Ngara SN3781CF 12.6 34 0 18.3 78 61 0 56 53 47 51 22-10-2023 1:50 Night MML35 API, Ngara SN3781CF 12.6 34 0 18.3 78 61 0 56 53 47 51	65 Check, above 50 dBA 64 Check, above 50 dBA	Wind - Eaclude Wind - Eaclude	5 11 13 15 15 16 16 17 22 22 25 25 27 28 25 27 28 25 27 28 25 27 28 25 27 28 25 27 28 25 25 25 25 25 25 25 25 25 25 25 25 25
22-10-2023 1:30 Night NAL38 ARI, Nigara SNS781CE 8.5 33 0 17.5 52 54 0 52 59 42 47 22-10-2023 1:45 Night NAL38 ARI, Nigara SNS781CE 9.7 36 0 17.6 53 52 0 50 49 39 45	Check, above 50 dBA	Wind - Esclude Ward - Esclude	4 8 10 12 14 16 18 19 21 21 22 25 29 34 38 41 42 38 33 32 30 28 28 20 19 16 13 10
22-10-2023 1-67 Majob NML-33 AFE, Ngana SNESTELCE 9.3 35 0 17.6 83 53 0 55 44 35 40 22-10-2023 2-00 Majob NML-33 AFE, Ngana SNESTELCE 9.7 25 0 17.4 84 55 0 52 44 41 44 42 22-10-2023 2-75 Majob NML-33 AFE, Ngana SNESTELCE 9.7 20 17.4 84 55 0 52 44 41 44 42 22-10-2023 2-75 Majob NML-33 AFE, Ngana SNESTELCE 6.1 35 0 17.2 86 55 0 53 44 47 47	41 Check, above 50 dBA 42 Check, above 50 dBA 43 Check, above 50 dBA	Wind - Eaclude	3 6 8 11 12 14 15 15 17 19 21 22 22 23 34 25 34 26 34 4 6 38 33 32 26 27 27 28 17 15 15 14 15 15 15 15 15 15 15 15 15 15 15 15 15
22-10-2023 2:15 Night NML38 ARL Ngara SN8781CE' 6.1 35 0 17.2 86 55 0 53 50 42 47 22-10-2023 2:30 Night NML38 ARL Ngara SN8781CE' 5.4 27 0 16.9 87 54 0 50 47 33 43		Wind - Exclude Wind - Exclude	5 8 10 12 54 16 18 19 21 21 22 24 22 34 38 42 42 38 33 22 30 28 27 19 18 15 15 22 2 5 8 10 2 3 13 15 16 18 19 22 22 27 31 36 37 32 36 31 38 22 30 28 27 19 18 15 15 12 3
22-10-2023 2-30 Maght MOL38 AME, Ngwa DASTRICC 5.6 27 0 16.9 87 54 0 50 47 33 43 22-00-2023 2-40 Maght MOL38 AME, Ngwa DASTRICC 5.6 10 0 16.9 86 50 0 50 37 31 33 32-20-00-2023 2-40 Maght MOL38 AME, Ngwa DASTRICC 4.0 3 0 16.9 86 50 4 50 34 31 26 30 38 31 30 30 31 31 32 32 32 32 33 34 34 34 34 34 34 34 34 34 34 34 34	24 Ok, \$50 dBA	Wind - Eaclude	-2 1 4 7 8 10 12 12 154 13 15 16 24 27 29 27 24 33 27 25 23 26 27 17 12 11 9 7 -6 4 3 1 4 4 7 3 5 5 9 9 33 66 16 14 15 9 9 10 10 10 13 26 23 13 10 9 8
	Ok, S50 dBA	Birds - 5 min excluded Birds, Wind - Dickude	.5 .3 .1 .4 .6 .7 .9 .9 .5 .10 .13 .17 .22 .25 .34 .19 .15 .13 .12 .11 .13 .25 .25 .44 .10 .9 .8 .6 .7 .7 .14 .14 .15 .15 .15 .15 .15 .15 .15 .15 .15 .15
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22-10-0223 400 Naght NAJ.38 ANI, Ngura NATRICCT 6.1 40 0 16.4 91 99 0 0 52 34 28 27 27 22-10-0223 40 Naght Najat Najat Ngura NATRICCT 6.1 90 0 16.2 29 37 0 54 40 22 40 0 22-10-0223 43 Naght Najat Na	33 Check, above 50 dBA 33 Check, above 50 dBA 34 Check, above 50 dBA	Berds - Eachade	
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22-10-2023 5:30 Night NML3S ARL Ngara SNS781CE 10.4 31 0 16.6 50 76 0 61 48 33 50 22-10-2023 5:45 Night NML3S ARL Ngara SNS781CE 9.0 38 0 16.9 69 71 0 62 52 33 50		Birds - Esclude Birds - Eschule	-8 -5 -2 1 4 6 8 7 8 9 14 19 25 29 30 32 34 45 45 33 42 33 32 34 32 32 32 17 19 13 3 7 7 4 1 3 4 7 12 9 10 11 15 19 25 29 30 32 34 46 43 46 40 37 38 38 29 22 37 19 10 10 10 10 10 10 10 10 10 10 10 10 10
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22-10-2022 013 Paget Notes No. 1001. Regard SNN 2761CE' 12.2 7 0 15.4 52 69 0 50 45 34 46 22-10-2022 013 Paget No. 1001. No. 1	35 Check, above 50 dBA 61 Check above 50 dBA	Wind, Birds - Exclude	-3 0 2 6 7 9 11 11 12 12 16 19 22 29 30 32 26 28 23 3 3 4 3 3 20 28 28 29 20 3 24 22 23 15 7 3 5 6 9 11 13 15 15 17 10 10 10 10 10 12 22 21 22 23 24 22 23 15 7 3 20 24 22 23 25 15 7 3 20 24 22 23 25 25 25 26 26 26 26 26 26 26 26 26 26 26 26 26
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22-10-2023 7:15 Day NML35 AN Ngara SN8781CF 13.7 9 0 20.3 73 62 0 53 48 40 46 22-10-2023 7:00 20 20 20 20 20 20 20 20 20 20 20 20 2	42 44	Wind, RTN - Exclude Wind, RTN - Exclude	8 10 13 15 17 19 23 25 26 27 25 25 25 23 33 37 38 38 32 32 32 33 20 31 32 34 33 26 17 11 8 12 14 16 19 22 28 29 29 29 29 23 23 24 35 34 36 38 37 37 38 37 38 38 37 38 38 38 38 38 38 38 38 38 38 38 38 38
22-10-2023 746 Day NALSS ARL North SNS781CE 12.6 302 0 21.8 64 62 0 50 48 33 45 22-10-2023 800 Day NALSS ARL North SNS781CE 11.5 333 0 21.9 63 62 0 55 45 29 43	0	Wind, RTN - Exclude Aircraft - 2 min excluded	6 9 12 15 14 21 23 30 27 23 23 27 29 32 33 33 31 32 32 34 36 38 33 33 33 32 39
22-10-2023 BOD Say MALSE MEL Nigers DNATFECCE 11.5 233 0 21.9 E3 63 63 0 22 45 29 43 22-10-2023 B LOS MALSE MEL Nigers DNATFECCE 11.5 233 0 22.4 61 74 52 45 42 27 42 22-10-2023 B DNAY MALSE MEL Nigers DNATFECCE B 3 322 0 22 59 68 0 0 33 41 26 46	33	Aircraft - 1 min excluded RTN - 1 min excluded	1 5 9 11 1 85 17 22 27 28 28 27 28 28 27 28 28 27 28 28 27 28 28 27 28 28 27 28 28 28 28 28 28 28 28 28 28 28 28 28
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22-10-2022 2:15 Day MULTS PRO- regions SHIFTON CE 5.5 321 0 25.1 51 64 0 57 44 26 44	37		-1 5 6 9 13 12 14 14 15 15 15 16 17 18 16 17 18 16 17 19 18 19 24 25 27 27 32 31 39 35 29 15 19 19 24 25 27 27 32 31 39 35 29 15 19 19 29 29 29 29 29 29 29 29 29 29 29 29 29
	55	Alecraft, RTN - 5 min excluded Local Engine Notes - Exclude	8 11 16 19 32 41 33 35 37 38 38 40 43 44 46 47 49 47 46 46 33 34 35 31 25 16 1
22-10-2023 0-45 Day NM.35 AM. Ngara SN8781CE 10.1 237 0 258 48 77 0 66 63 37 59 22-10-2023 0-15 Day NM.35 AM. Ngara SN8781CE 11.9 327 0 26 46 77 0 66 63 37 59 22-10-2023 0-15 Day NM.35 AM. Ngara SN8781CE 11.9 327 0 26 46 77 0 70 67 44 31 46 20 46 27 0 27 4 43 77 0 72 53 35 56 50 27 48 48 77 0 72 53 27 50 27	4	Alectait, RTN - Exclude Wind RTN - Exclude	9 12 25 22 28 29 41 42 44 43 43 42 44 48 45 50 49 55 69 48 43 3 31 32 22 28 29 29 29 29 29 29 29 29 29 29 29 29 29
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22-10-2023 11:15 Day NML38 ARL Nama SN8781CE 15.8 202 0 20.7 36 65 0 59 55 38 51 22-10-2023 11:20 Day NML38 ARL Nama SN8781CE 15.8 316 0 30.1 30 65 0 60 54 37 51	50	Wind - Exclude Wind - Exclude	15 15 21 22 22 33 33 34 37 38 39 40 42 43 44 43 42 35 35 33 30 29 31 31 26 22 15 15 15 15 22 22 25 33 33 34 27 38 30 40 40 40 41 41 41 40 55 35 31 30 29 31 31 26 22 15 15 15 15 15 15 15 15 15 15 15 15 15
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22-10-2023 12-30 Day MVLS (MC, Ngara SH3781CE 13.3 316 0 31.4 31 07 0 61 53 39 51 22-10-2023 12-30 Day MVLS (MC, Ngara SH3781CE 13.3 316 0 31.4 31 07 0 61 52 37 50 51 22-10-2023 12-30 Day MVLS (MC, Ngara SH3781CE 13.3 316 0 31.4 31 07 0 61 52 37 50 51 22-10-2023 12-30 Day MVLS (MC, Ngara SH3781CE 13.3 316 0 31.4 31 07 0 61 52 37 50 51 22-10-2023 12-30 Day MVLS (MC, Ngara SH3781CE 13.3 316 0 31.4 31 07 0 61 52 37 50 51 22-10-2023 12-30 Day MVLS (MC, Ngara SH3781CE 13.3 316 0 31.4 31 07 0 61 52 37 52 52 52 52 52 52 52 52 52 52 52 52 52	50	Wind - Eaclude Wind - Eaclude	13 10 20 27 27 29 34 33 35 35 36 37 37 37 39 41 41 40 37 39 37 32 28 20 27 25 21 17
22-10-2023 13:00 Day NM33 ARI, Nguru SN8781CE 162 313 0 32.6 28 75 0 66 57 42 55	90	Wind - Exclude Wind - Farfinds	15 19 21 25 28 39 32 34 38 37 38 39 41 42 42 43 43 46 46 46 46 44 40 39 32 33 30 28 28 28 28 28 28 28 28 28 28 28 28 28
22-10-2023 13:15 Day NALS ARL Nears SASTRICE 15.1 314 0 32.7 27 65 0 50 53 37 50	9	Wind - Exclude	13 17 20 24 27 30 31 33 35 37 38 38 38 38 39 41 41 30 35 32 31 31 32 34 33 26 27 30
22-10-2023 13:30 Day NML38 ARL Ngara SN-8781CE 11.9 201 0 33 26 65 0 58 53 36 49 22-10-2023 13:46 Day NML38 ARL Ngara SN-8781CE 13:3 266 0 32.8 26 65 0 60 54 37 50	9	Wind - Eaclude	14 17 21 25 28 30 32 34 36 30 30 39 39 39 40 41 42 40 36 35 31 29 27 28 28 28 23 19
22-10-2023 14:00 Day NML38 ARL Ngara SN48781CE 15.1 294 0 33.9 25 79 0 60 52 36 53 22-10-2023 14:15 Day NML38 ARL Ngara SN48781CE 13.7 301 0 33.9 25 76 0 65 54 35 54	52	Wind - Exclude	14 18 22 27 28 32 33 32 34 35 27 38 32 33 34 4 4 35 27 38 38 38 41 42 44 44 43 43 41 48 30 37 37 38 28 27 17 18 18 18 18 18 18 18 18 18 18 18 18 18
22-10-2023 14-30 Day NML33 ARL Ngars SN43751CE 14:0 294 0 34 25 65 0 59 55 39 51 22-10-2023 14-45 Day NML33 BAL Ngars SN43751CE 14:0 279 0 33.7 25 64 0 59 52 39 49	13 14	Wind - Exclude Wind - Exclude	16 19 22 25 28 39 32 33 35 36 37 37 37 38 38 40 44 44 43 40 35 33 31 31 28 27 29 25 24 20 13 15 15 16 20 24 27 22 30 32 34 35 36 36 36 37 37 38 38 40 44 41 30 35 34 37 31 32 30 27 29 25 22 28 28 29 29 29 29 29 29 29 29 29 29 29 29 29
	90	Wind - Eaclude Wind - Eaclude	59 21 24 27 28 23 23 25 28 27 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20
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22-10-2023 15-15-2039 NML38 ARL Ngara SNR3781CE* 12.2 282 0 33.5 24 69 0 59 53 39 50 22-10-2023 1000 Day NML38 ARL Ngara SNR3781CE* 14.0 279 0 33.6 23 77 0 75 74 60 71 22-10-2023 1015-2039 NML38 ARL Ngara SNR3781CE* 13.0 259 0 33.6 24 73 0 71 69 35 62	i i	Local Engine Noise - Exclude	13 17 21 22 28 28 28 31 33 28 28 37 37 37 37 40 43 43 43 17 38 23 28 22 22 22 18 14 29 25 28 28 28 28 28 28 28 28 28 28 28 28 28
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22-10-2023 16:45 Day NML35 APL Ngara SN8761CE 11.9 263 0 33.5 23 67 0 60 69 41 67 22-10-2023 17:50 Day NML35 APL Ngara SN8761CE 11.9 270 0 33.3 22 76 0 67 51 37 53	9 4	Local Engine Notice - Exclude RTN, Wind - Exclude	14 24 26 33 45 38 50 45 46 59 52 55 55 55 55 55 57 57 57 58 53 59 59 47 45 40 39 28 11 15 24 26 29 29 36 31 32 34 34 34 34 35 35 36 37 44 44 44 44 41 36 35 31 32 21 15
	53	Local Engine Notes - Exclude Local Engine Notes - Exclude	11 14 19 22 25 27 28 30 32 34 34 34 34 35 37 38 40 40 37 38 32 28 28 28 28 28 28 28
22-10-2023 17-30 Day NAL-33 ARL Ngara SN8781CE 9-4 294 0 32-3 29 79 0 79 71 60 69 22-10-2023 17-14 Day NAL-33 ARL Ngara SN8781CE 7-9 200 0 31-7 295 74 0 67 42 225 52 22-10-2023 50-50 Day NAL-33 ARL Ngara SN8781CE 6-5 302 0 30-12 29 74 0 67 42 225 52 29-10-2023 50-50 Day NAL-34 ARL Ngara SN8781CE 6-5 302 0 30-12 29 74 0 67 42 25 52 52 52 52 52 52 52 52 52 52 52 52	M	Local Engine Noise - 1 min excluded Local Engine Noise - 3 min excluded	13 29 24 30 38 38 42 55 47 48 49 52 55 55 55 55 65 65 66 66 66 55 55 55 55
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22-10-2023 20:00 Evening NML36 ARL Ngara SN:8781CE' 6.5 8 0 27 30 40 0 38 37 36 37	12		.44 - 42 - 43 - 43 - 43 - 43 - 43 - 43 -
22-10-2023 20:30 Evening NM 35 AFE Ngara SN:5781CE 6.8 16 0 26:5 31 39 0 37 37 35 36	21		
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22-10-2023 21:00 Enviring MRL33 ARI, Ngara SNR781CE' 7:0 15 0 0.5.3 31 35 0 37 37 37 35 36 22-10-2023 21:10 Enviring MRL34 ARI, Ngara SNR781CE' 6.5 9 0 0.52 31 35 0 0 35 37 37 35 36 22-10-2023 21:15 Enviring MRL34 ARI, Ngara SNR781CE' 6.5 9 0 0.52 31 35 0 0 35 37 35 35 36 22-10-2023 21:31 Enviring MRL34 ARI, Ngara SNR781CE' 6.5 9 0 0.56 31 46 0 35 37 35 55	23		-15 -12 -8 -1 -2 7 2 -2 2 3 9 13 16 14 10 9 10 10 10 9 10 20 25 17 10 10 10 8 6 -8 -4 -3 3 4 13 5 5 6 7 11 16 22 22 21 17 14 13 11 11 11 20 34 16 11 10 10 8
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24 Process accompage process proc. NSEE SYSTEMS [13.0] 1] 0] 24.5] 51] 44] 0] 42] 45] 36] 36]	AND	and Little	~ 1 ~ 1 ~ 1 ~ 1 ~ 1 ~ 1 ~ 1 1 1 1 1 1 1

End Time Location Logger	Mine Weather Data	d Francisco	Raw 15-minute Statistics	d Data	Logsum LAeq15min to LAeq LAeq S530 Hz (Incl +2.3 dB	Lmax Requires Further Review		Raw LAvo, 12 25Hz 31	nin 1.0 Spectrum	Terms Terms	none I care	Trenta, Large, Large, Large	- Lemma Terrora Terrora I	rosse I may I may	ualt man. I man.	In mary	renadas. Ins. Iras. Iras. Iras.	u. Irreus Ireus
1	(km/r) Direction (mm)	(oC) (%)	y Daniel Daniel Da	Date Date	(incl +2.3 dB correction)	r.avau		2014	314 4014 3014	toru toru	12314	10012 2004 2204 313	2 4004 3004 0004		10.1000 200	2.5870	302 0302 000 100	12.300.10012
22-10-2023 23:15 Night NAL35 ARL Ngara SN:3781CE 22-10-2023 23:30 Night NAL35 ARL Ngara SN:3781CE	11.2 356 6.1 215	0 24.2 0 23.2	54 42 0	40 38 :	2 2	3 Ok, 550 dBA 1 Ok, 550 dBA	Comments (dominantholeworthy sources). Birds - Exclude	-11 -18	4 4	1 1 7	4	4 6 7 13	7 23 26 27	25 19	16 14 1	2 12	28 32 14 11 10	5 7 4
22-10-2023 23-45 Mark NAS 38 AM Noors SN-9781CS	3.6 165	0 22.5	55 35 0 58 50 0	35 35 3 35 34	12 33 1	Clk, SSD dBA		-15	-15 -12 - -11 -11 -	4 5 3	2 .	3 0 2 6	9 13 14 11 3 4 7 8	8 9 7 9	9 10 9	11	28 32 14 10 10 27 32 14 11 10	9 6 4
23-10-2023 0:00 Night NML38 ARL Ngara SN:5781CE 23-10-2023 0:15 Night NML38 ARL Ngara SN:5781CE	3.2 147 2.5 51	0 22.3	59 38 0 60 37 0	35 35 35 34	12 34 1 13 34 1	5 Ok, 550 dBA 5 Ok, 550 dBA		-22 -20	-13 -13 - -13 -12 -	4 -9 -3 5 -8 -3	1 :	7 4 3 1	1 4 5 7	7 9 8 9	10 10	9	28 32 13 10 10 28 32 12 10 10	9 6 3
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23-10-2023 1:45 Night NML36 ARL Noora SN:8781C8	8.6 25 10.4 21	0 21.7	68 46 0 70 49 0	42 40 43 41	15 38 3 13 38 3	7 Ck, 550 dBA 7 Ck, 550 dBA	Birds - Exclude Birds - Exclude	-7 -5	5 2	4 4 6	8 9	0 12 12 15 8 10 11 15	19 24 29 32 19 25 30 33	32 26 32 26	21 19 1 21 19 1	7 15 5 15	25 30 15 13 11 25 29 15 12 11	10 17 10 9 8 4 9 7 4
23-10-2023 2-15 North MAII 35 ARI Novem SN-9781CE	9.0 30	0 20.9	72 45 0 74 47 0	44 41 .	14 39 3 15 38 3	Ok S50 dBA	Wind - Exclude Wind - Exclude	1	4 7 1	0 12 14 0 11 13	15 1 15 1	7 19 16 17 7 18 15 16	10 25 30 33 10 25 29 32	33 29 32 27	23 21 1 21 19 1	7 16	25 29 16 14 12 24 29 15 13 12	10 8 4
23-10-2023 2:30 Night NML38 ARL Ngara SN:9761C2 23-10-2023 2:45 Night NML38 ARL Ngara SN:9761C2 23-10-2023 3:00 Night NML38 ARL Ngara SN:9781C2	9.4 22 9.0 19	0 20.7 0 20.5 0 20.2	75 58 0 76 33 0	51 35 32 32	0 31 2	Check, above 50 dBA 5 Ok, 550 dBA 5 Ok, 550 dBA	Bird LAmex - 5 min excluded	-6 -15	-3 0 -11 -7	1 -1 4	4	9 10 8 12 3 9 6 10	7 22 25 24 14 18 18 14	19 20	9 9 9	3 18 9 12	25 28 14 11 10 24 28 13 10 9	8 6 3
23-10-2023 3:15 Night NML35 ARL Ngara SN:9781C2 23-10-2023 3:30 Night NML35 ARL Ngara SN:9781C2 23-10-2023 3:45 Night NML35 ARL Ngara SN:9781C2	83 12		79 46 0	45 39	4 37 3	7 Ok, 550 dBA 9 Ok, 550 dBA	Wind, Blods - Exclude Wind, Blods - Exclude	-7	4 1	3 4 6	8	8 10 10 15	9 25 30 32	30 25	20 18 1	14	23 27 15 11 10	8 7 3
23-10-2023 3:45 Night NML38 ARL Nights SN:8781C2	9.7 3	0 19.3	83 56 0 83 54 0	50 44	7 42 4	Check, above 50 dBA	Wind, Birds - Exclude Wind Birds - Exclude	4	7 10 1	2 14 16	18 2	0 22 19 19	2 27 31 35	36 33	33 28 2	4 21	23 26 16 15 12	10 8 4
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		0 193	78 64 0 76 78 0	59 49 71 56	10 46 3 15 57 2	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	Wind, Birds - Exclude Local Engine Noise - 5 min excluded	-6 7	-3 0 8 15 2	4 5 11 5 31 34	13 1 27 3	2 13 13 15 1 40 36 36	7 21 23 23 10 39 40 42	23 31 44 49	41 42 3 50 50 4	5 34 5 47	37 33 29 26 23 41 37 39 38 33	15 7 4 28 22 11 14 7 4
23-10-2023 6:30 Night NAL35 ARL Ngara SN:8781C3 23-10-2023 6:45 Night NAL35 ARL Ngara SN:8781C3 23-10-2023 7:00 Night NAL35 ARL Ngara SN:8781C3	8.3 346 9.7 342	0 20.6	73 69 0 69 64 0	54 41 : 56 44 :	19 44 3 19 43 3	Check, above 50 dBA Check, above 50 dBA	Distant sircraft noise - Bird LAmax Wind, Birds	-4	-1 3 2 5	6 8 12 9 10 13	14 1	3 16 18 19 5 16 13 14	18 22 23 21 17 21 23 22	19 22 19 23	31 32 3 26 29 3	9 35 4 37	29 28 34 29 22 30 27 29 29 23	14 7 4 12 7 4
23-10-2023 7:15 Day NML38 ARL Ngara SN:8781CE 23-10-2023 7:30 Day NML38 ARL Ngara SN:8781CE	10.1 332 12.6 328	0 22.6 0 23.6	64 70 0 60 66 0	57 47	19 47 14 46 4	4	Altoraft - 2 min excluded Altoraft, RTN, Wind - Exclude	12	10 10 1 10 14 1	5 18 20 6 21 23	25 2 25 2	4 23 26 32 7 28 29 32	6 37 36 37 12 34 35 35	38 36 37 35	38 39 3 33 31 3	35	31 27 31 30 25 33 34 34 33 27	15 9 5 19 12 7
23-10-2023 7-45 Day NML38 ARL Ngara SN:8781CB 23-10-2023 8:00 Day NML38 ARL Ngara SN:8781CB 23-10-2023 8:15 Day NML38 ARL Ngara SN:8781CB	13.3 313 13.3 302 15.8 292	0 243	57 65 0 53 67 0	56 51 . 61 55 -	18 46 4 12 52 5	1	Wind - Exclude Wind - Exclude	11		3 26 28 6 30 32 9 32 34	31 3 34 3 36 3		16 35 35 37 11 41 40 41	40 39 43 44	35 32 3 42 38 3	34	29 28 29 29 27 31 29 28 29 28	12
	15.8 292 15.1 289	0 25.6 0 25.8	52 70 0	63 50 -	17 57 5		Wind - Exclude Wind - Exclude	19 20					6 45 45 45	45 47 46 47	e/ 44 4 47 45 4	37	34 31 30 31 29 42 41 33 34 31	25 22 16 28 22 16
23-10-2023 8-45 Day NAL35 ARL Ngara SN:9781C5 23-10-2023 9:00 Day NAL35 ARL Ngara SN:9781C5 23-10-2023 9:15 Day NAL35 ARL Ngara SN:9781C5	13.7 297 13.7 289	0 26.1 0 26.3 0 26.7	54 73 0 51 69 0	54 55 - 53 56 -	53 10 53		Wind - Exclude	15 16 15	18 22 2 19 23 2 19 22 2	5 29 31 5 29 32	33 3 34 3	35 30 39 5 38 39 41	39 39 40 11 42 42 42	43 44	46 46 4 43 40 3	35	33 29 34 34 28 33 30 29 29 27 31 30 32 32 27	24 19 13 24 19 13
23-10-2023 9:30 Day NML38 ARL Ngara SN:87610 23-10-2023 9:30 Day NML38 ARL Ngara SN:87610 23-10-2023 9:45 Day NML38 ARL Ngara SN:876102 23-10-2023 10:00 Day NML38 ARL Ngara SN:876102	12.2 299 12.2 299	0 27.1	48 63 0 46 63 n	56 51 57 53	19 48 15 49		Wed - Exclude Wed - Exclude	12	16 20 2	28 31 3 26 29 4 27 29 4 27 29	31 3 31 3 31 3	2 34 35 35 3 35 36 37	15 35 35 38 17 37 37 10	40 39 41 41	37 34 3 37 33 1	2 29	30 30 32 31 25 28 27 29 29 36	21 16 11 21 17 11 22 18 12
23-10-2023 10:00 Day NML36 ARL Ngara SN:8781CE 23-10-2023 10:15 Day NML36 ARL Ngara SN:8781CE	12.6 289 15.5 321	0 28.2	46 63 0 44 63 0	59 53	6 49 4		Wind - Exclude Wind - Exclude	14	17 21 2	4 27 29 4 27 29	31 3	3 35 36 37 3 35 36 38	17 37 37 39 18 38 37 38	41 41	39 35 3 37 33 1	32	26 27 29 29 26 36 33 32 31 26 34 36 39 36 26	22 18 12
23-10-2023 10-30 Day NML35 ARL Ngara SN:8781CE	12.6 295 11.9 292	0 27.9 0 29.3 0 29.4	41 69 0 40 72 0	57 50 63 50	12 48 4 16 50	4	Wind - Exclude Wind - Exclude	- 11	15 19 2 15 19 2	4 27 23 3 26 28 2 24 26	31 3 28 3	2 33 34 35 0 31 31 32	15 34 34 35 12 32 33 36	38 38	36 33 3 38 39 3	7 29 2 36	29 29 28 27 24 36 46 43 31 26	21 17 11 20 15 10 22 18 11
23-10-2023 11:00 Day NML35 ARL Ngara SN:8781CE	14.0 309 13.7 312	0 29.6	39 67 0 37 65 0	50 55 ·	12 52 5 16 50 4	1	Wind - Exclude Wind - Exclude	16 14	20 23 2	7 29 31 5 28 30 0 29 34	34 3	7 37 38 41 4 36 37 38	10 39 39 41 16 37 37 39	43 45 41 42	43 40 3 39 35 3	37	34 32 33 32 28 34 35 36 33 27	24 20 15 22 18 13 21 17 11
23-10-2023 11:15 Day NML35 ARL Ngara SN:8781CE 23-10-2023 11:30 Day NML35 ARL Ngara SN:8781CE 23-10-2023 11:45 Day NML35 ARL Ngara SN:8781CE	11.5 279 12.2 297	0 31.3	35 71 0 35 66 0	65 55 60 53	11 53 14 50		Wind - Exclude Wind - Exclude			0 29 34 5 28 30	32 3 34 3 32 3	6 37 40 42 3 35 36 37	12 43 44 43 18 37 37 39	43 43 41 41	42 39 3 39 35 3	33	36 35 27 29 26 37 36 34 32 28	21 17 11 23 18 12
23-10-2023 12:00 Day NML38 ARL Ngara SN:8781CE 23-10-2023 12:15 Day NML38 ARL Ngara SN:8781CE	13.0 293	0 31.6 0 32.1	33 66 0 32 68 0	58 53 5 60 54	54 49 4 19 51 4		Wind - Exclude Wind - Exclude	14 14 16	17 21 2 17 21 2 19 23 2	4 27 29 6 28 30	32 3 31 3 32 3	2 34 35 36 4 35 36 38	17 36 37 39 18 38 38 40		39 35 3 42 37 3	3 31	37 38 34 32 28 31 28 27 28 27 34 39 33 29 28	23 18 12 22 18 12 24 20 14
23-10-2023 12-30 Day NAL35 ARL Ngara SN:8781C5 23-10-2023 12-45 Day NAL35 ARL Ngara SN:8781C5 23-10-2023 12:00 Day NAL35 ARL Ngara SN:8781C5	11.9 282 12.6 285	0 32.5 0 33.1 0 33.1	32 69 0 30 67 0	58 51 3 60 53	12 47 4 11 49 4	9	Wind - Exclude Wind - Exclude	12	16 19 2	2 25 27 4 27 29	29 3 31 3	1 32 33 35 3 34 36 37	14 34 35 37 15 38 38 39	39 39 40 41	37 33 3 38 34 3	1 32	34 36 34 26 24 31 28 36 33 25	21 17 11 22 17 13 20 16 10
23-10-2023 13:00 Day NML38 ARL Ngara SN:9781 CE 23-10-2023 13:15 Day NML38 ARL Ngara SN:9781 CE 23-10-2023 13:30 Day NML38 ARL Ngara SN:9781 CE	13.3 280 12.6 266 14.0 276	0 33.1	30 65 0	50 49 : 50 54 :	17 47 4 14 50 4	7	Wind - Exclude Wind - Exclude	12	15 18 2 18 22 2	2 25 27 5 28 30	29 3 32 3	0 32 34 35 3 35 36 38	16 37 36 37 16 38 38 39	35 35 42 43	37 33 3 41 37 3	29	29 25 23 24 22 31 29 27 28 25 33 33 33 31 30	20 16 10 23 19 13
	14.0 276 14.4 271	0 33.8	27 59 0 28 59 0	64 57 : 61 55	17 53 4 12 51 5	1	Wind - Exclude Wind - Exclude	15	20 23 2 19 22 2	5 28 30 6 28 30 5 28 31	32 3 33 3	3 34 35 36 4 36 37 39	17 38 39 41 10 40 40 40	43 44 42 43	45 46 4 42 39 3	33	33 33 33 31 30 31 29 27 28 26	23 19 13 24 20 14 23 19 13
23-10-2023 14:00 Day NML38 ARL Ngara SN:8781CE 23-10-2023 14:15 Day NML38 ARL Ngara SN:8781CE 23-10-2023 14:30 Day NML38 ARL Ngara SN:8781CE	13.3 267 13.3 277	0 31.9	25 55 0 25 56 0	50 54 50 54	13 50 4 18 51		Wind - Exclude Wind - Exclude	15	18 21 2 19 22 2	4 27 29 5 28 30	31 3 32 3	2 34 36 37 3 35 36 37	67 38 38 39 88 37 38 40	41 42	41 37 3 41 40 3	3 31	29 27 26 28 25 31 29 28 29 26	22 18 12 23 19 13 23 19 13 20 16 10 23 19 13 17 13 8
	14.8 267	0 34.1	24 65 0	60 52	2 49 4		Wind - Exclude Wind - Exclude	12	15 19 2	2 25 27	30 3	33 36 35	16 40 40 41 14 35 35 37	39 39	40 36 3 39 36 3	7 36	31 27 26 28 26 32 33 39 38 28	20 16 10
23-10-2023 15:00 Day NML35 ARL Ngara SN:878102 23-10-2023 15:15 Day NML35 ARL Ngara SN:878102 23-10-2023 15:30 Day NML35 ARL Ngara SN:878102	12.6 283 11.9 261	0 345	23 60 0	55 47	19 50 19 44 4		Wind - Exclude	9	13 17 2	5 28 30 0 23 25	26 2 37 4	3 34 36 37 8 30 31 32	17 37 38 40 12 32 32 33	35 35	41 37 3 32 28 2	29	35 33 35 34 27 31 28 22 22 20	23 19 13 17 13 8 21 17 12
23-10-2023 15:45 Day NML36 ARL Ngara SN:8781CE	16.2 261 16.0 257	0 34.7	19 65 0 20 65 0	57 52	19 49 4		Wind - Exclude Wind - Exclude	14	17 20 2	3 26 27	29 3	0 32 32 33	13 34 35 39	41 42	39 34 3	34	35 36 36 27 24 26 24 23 25 23	22 19 12 20 16 11 18 14 9
23-10-2023 16:00 Day NML38 ARL Ngara SN:8781CE 23-10-2023 16:15 Day NML38 ARL Ngara SN:8781CE 23-10-2023 16:30 Day NML38 ARL Ngara SN:8781CE	14.8 247 13.3 254	0 343	20 54 0	54 49 5 68 49	14 45 4	4	Wind - Exclude Wind - Exclude	11 25		1 23 25	26 2 42 4	9 31 30 31	11 32 34 36 10 40 41 42	38 36 42 42	33 31 2 41 41 3	30	25 24 23 25 23 32 29 23 24 23 35 32 27 24 22	18 14 9 18 17 0
23-10-2023 16:45 Day NML35 ARL Ngara SN:8781CE 23-10-2023 17:00 Day NML35 ARL Ngara SN:8781CE	10.1 220 11.9 230	0 33.6	22 59 0 22 62 0	55 50 52 47	11 46 4 5 43 4	4	Wind - Exclude Wind - Exclude	14	16 19 2	1 23 25	26 2 22 2	5 29 30 31 3 23 23 24	11 32 34 37 5 27 31 34	39 39 36 33	37 32 2 29 26 3	25	26 24 23 25 23 32 34 30 25 20	18 17 9 22 22 12 20 21 11
23-10-2023 17:15 Day NML36 ARL Ngara SN:8781C8	9.4 242	0 33.4	22 53 0 23 53 0	58 40 57 41	5 44 3 6 43 3	2		2	4 5	8 9 10 9 11 11	11 1 13 1	2 11 11 13	17 21 24 26 16 21 24 25	25 26 23 21	40 38 3 34 32 3	1 25	26 28 28 28 21 23 34 37 35 26	13 10 5 14 11 5 12 9 4
23-10-2023 17:30 Day NML38 ARL Ngara SN:8781CE 23-10-2023 17:45 Day NML38 ARL Ngara SN:8781CE 23-10-2023 18:00 Day NML38 ARL Ngara SN:8781CE	9.0 232 8.3 228 6.5 234 5.0 230	0 32.1	23 67 0 24 61 0	51 38 . 47 37 .	16 40 3 16 37 2	7		-4	-1 2 -3 0	4 9 12 2 5 7	21 2 11 1	3 25 18 16 6 11 9 10	7 19 21 20 3 16 18 20	18 17 21 22	18 23 2 23 23 2	5 25 7 25	33 36 30 24 20 28 31 29 18 16	12 9 4 10 7 4
23-10-2023 18:15 Evening NML38 ARL Ngara SN:8781CE	3.6 210	0 303	25 61 0 26 61 0	54 37 54 47	77 40 2 10 43 2	2		-18 -17	-15 -11 - -12 -7 -	5 -7 -4	2 5	2 1 9 13 2 3 7 10	5 8 13 17 8 8 13 16	18 24	35 32 3 33 31 3	23	29 29 21 17 18 39 35 26 20 14	10 7 4 11 8 4 17 17 5
23-10-2023 10-95 Evening NML38 ARL Ngara SN:878102 23-10-2023 10:00 Evening NML38 ARL Ngara SN:878102 23-10-2023 10:00 Evening NML38 ARL Ngara SN:878102	3.2 218 4.7 209 4.7 196	0 28.8	28 48 0 28 39 0	39 37 36 37 38 37	5 36 2 5 36 2	2		-16 -11	49 46	5 4 -2	2	3 4 7 6 4 3 8 7	9 9 12 12 10 13 14 13	13 13	14 15 1: 11 12 1	1 15	31 33 21 12 11 26 36 20 11 11 26 36 10 11 11	5 7 4 5 7 4 5 7 4 5 7 4 5 7 4
23-10-2023 19:15 Evening NML38 ARL Ngara SN:8781C2 23-10-2023 19:30 Evening NML38 ARL Ngara SN:8781C3	4.7 196 4.7 200 5.4 197	0 27.9	28 40 0 27 40 0	37 37	16 37 2 16 36 2	9		-16 -17	-14 -11 - -16 -7 -	5 -7 -3 4 -4 -3	3	5 3 8 5 3 1 9 5	7 13 14 14 6 11 12 10	9 10	9 11 1	9 12	25 36 19 11 11 25 36 18 10 11 26 35 17 10 10	5 7 4
23-10-2023 19:15 Evening NML33 API. Ngara SN8781CE 23-10-2023 19:20 Evening NML33 API. Ngara SN8781CE 23-10-2023 19:45 Evening NML38 API. Ngara SN8781CE 23-10-2023 20:55 Evening NML38 API. Ngara SN8781CE 23-10-2023 20:15 Evening NML38 API. Ngara SN8781CE 23-10-2023 20:10 Evening NML38 API. Ngara SN8781CE	5.4 197 5.4 180	0 25.7 0 26.7	25 39 0 25 45 0	37 36 41 36	10 36 2 14 36 3	1	Aircraft noise - 2 min excluded	-17	-10 -12 - -6 -3	0 1 3	11 2	4 1 8 6 3 24 21 12	/ 10 12 10 14 15 16 15	9 11	10 11 1	12	25 35 17 10 10 26 34 17 10 10	
23-10-2023 20:30 Evening NML38 ARL Ngara SN-8781CE 23-10-2023 20:30 Evening NML38 ARL Ngara SN-8781CE 23-10-2023 20:45 Evening NML38 ARL Ngara SN-8781CE	4.0 1/6 4.0 144 4.7 161	0 25.7	26 41 0	35 35	13 34 1	9		-13	-10 -7	4 2	4	1 1 1	7 9 10 9	9 10	5 9	9	25 33 15 10 10 27 33 14 10 9	8 6 4 8 6 4
23-10-2023 20:45 Evening NML35 ARL Ngara SN:8781CE 23-10-2023 21:00 Evening NML35 ARL Ngara SN:8781CE 23-10-2023 21:15 Evening NML35 ARL Ngara SN:8781CE	4.7 161 5.8 126 3.2 105	0 24.5 0 23.9	25 43 0 27 51 0	36 35 36 35	14 35 2 13 34 7	2		-10 -13	-16 -7 -	4 7 1	4	1 0 9 5	8 15 16 11 9 14 16 10	12 15	11 10	9 9	27 33 14 10 9 27 33 14 10 9 27 33 14 11 10	8 6 3 8 6 3 9 7 4
23-10-2023 21:30 Evening NML36 ARL Ngara SN:8781CE 23-10-2023 21:45 Evening NML36 ARL Ngara SN:8781CE	3.6 102 3.2 104	0 23.4 0 22.9		35 34 37 35	12 33 2 13 34 2	5		0	-3 2 -7 2 1	5 5 6	8 9	5 5 10 9 2 6 9 10	12 15 16 16 13 16 19 20	19 15 24 19	12 12 1 17 19 1	9 9	25 32 13 10 9 26 31 13 10 9	8 6 4 8 6 3
23-10-2023 22:00 Evening NML36 ARL Ngara SN-8781CE 23-10-2023 22:15 Nebt NML36 ARL Ngara SN-8781CE	4.7 126 4.3 128	0 22.2	52 42 0 56 44 0	34 33 39 34	12 33 1 12 33 2	9 7 Ok. 550 dBA		-1	-12 0 -12 -4	3 3	5 7	0 4 4 4 6 6 8 12	5 7 9 9 5 17 20 19	6 7 17 16	7 8 1 14 13 1	1 9	26 32 12 10 9 26 31 13 10 9	8 6 3
23-10-2023 22:15 Night NML36 ARL Nigara SN:8781C2 23-10-2023 22:30 Night NML35 ARL Nigara SN:8781C2 23-10-2023 22:45 Night NML35 ARL Nigara SN:8781C6	4.3 138 3.6 136 5.0 132		60 36 0 67 38 0	34 33		7 Dk, 550 dBA 6 Dk, 550 dBA 0 Dk, 550 dBA		-19	-18 -7 - -17 -13 -	3 -7 -1	1 .	7 -2 -2 0 6 -3 -2 1	1 8 8 7 4 13 13 9	6 9 8 11	6 8 9 9 10 1	8 8	26 31 13 9 9 25 31 12 10 9	8 6 3
23-10-2023 23:00 Night NML35 ARL Ngara SN:8781CE 23-10-2023 23:15 Night NML35 ARL Ngara SN:8781CE	4.0 118 3.6 90	0 20.1	72 40 0 75 52 0	34 33 46 34	H 32 1	2 Ok, 550 dBA 2 Check, above 50 dBA	Aircraft noise, extransous LAmex - 1 min excluded	-16 -13	-14 -10 - -8 -3	4 4 3	4 1	5 -2 -1 3 1 24 25 21	6 10 11 11 4 16 18 15	11 11 14 17	10 11 1 14 13 2	1 10	26 31 12 10 9 27 31 13 10 9	8 6 3
23-10-2023 23:30 Night NML38 ARL Ngara SN:8781CE 23-10-2023 23:45 Night NML38 ARL Ngara SN:8781CE 24-10-2023 0:00 Night NML38 ARL Ngara SN:8781CE		0 20.7 0 20.5 0 20.3	75 35 0 76 45 0	32 31 3 32 31 3	19 30 2 19 30 2	0 Dk, 550 dBA 2 Dk, 550 dBA 0 Dk, 550 dBA		-5 -12	4 4	1 3 4	5 2	2 2 3 6 2 0 1 3	9 11 10 10 5 11 18 9	8 10 10 11	9 10 1	10	23 29 11 10 10 24 25 11 9 9	5 6 3 5 7 3
24-10-2023 0:15 Night NML35 ARL Ngara SN:5751C8	5.0 128 4.7 120	0 19.9	76 37 0 79 36 0	33 31 3 32 31	10 31 1	6 Ok, 550 dBA		-17 -15		4 4 2 2	2 -	5 -3 0 1	3 13 12 12 2 7 8 6	8 10 7 7	7 8 6 7	7 9	25 29 11 9 9 25 29 11 9 9	8 6 3
24-10-2023 0:30 Night NML38 ARL Ngara SN:8781CE 24-10-2023 0:45 Night NML38 ARL Ngara SN:8781CE	3.6 97 7.6 78	0 19.9 0 21.1	80 42 0 78 37 0	33 31 32 31	19 30 1	6 Ok, 550 dBA 6 Ok, 550 dBA		-15 -18	-16 -8 - -16 -10 -	1 -1 -2 4 -2 -1	2 -	5 -3 -2 -4 4 -3 -3 -1	2 6 8 7 1 7 9 6	9 7	7 7 1 8 9	10	24 29 14 11 9 24 25 11 9 9	8 6 3
24-10-2023 1:00 Night NALSS ARL Ngara SN:8781CE 24-10-2023 1:15 Night NALSS ARL Ngara SN:8781CE 24-10-2023 1:10 Night NALSS ARL Ngara SN:8781CE	8.6 76 7.2 68			33 31 30 30	19 30 2 18 29 1	0 Ok, 550 dBA 6 Ok, 550 dBA 6 Ok, 550 dBA		-19 -20	-17 -10 -	a 2 3	7 -	3 3 0	4 11 11 10 2 4 7 9	11 11 6 8	9 10 1	9	22 25 11 9 9 22 27 11 9 9 22 28 11 10 9	8 6 3
24-10-2023 1:15 Night NML38 ARL Nigara SN:878102 24-10-2023 1:30 Night NML38 ARL Nigara SN:878102 24-10-2023 1:30 Night NML38 ARL Nigara SN:878102 24-10-2023 2:00 Night NML38 ARL Nigara SN:878102	5.8 55	0 20.9	81 33 0	30 30 30 29	15 29 1	5 Ok, 550 dBA 5 Ok, 550 dBA 5 Ok, 550 dBA		-20 -17	-13 -6	2 1 2	3	9 3 1 0 3 4 4	6 5 8 9	7 7	7 7	12	22 28 11 10 9 22 27 10 9 9 22 27 10 9 9	8 6 3
24-10-2023 2:00 Night NML38 ARL Ngara SN:878102 24-10-2023 2:15 Night NML38 ARL Ngara SN:878102 24-10-2023 2:30 Night NML38 ARL Ngara SN:878102	4.0 65	0 20.4	83 47 0 84 40 0	30 29 30 30 29 30 29 30 29 30 30 30 30 30 30 30 30 30 30 30 30 30	77 28 1	5 Ok, 550 dBA 4 Ok, 550 dBA 4 Ok, 550 dBA		-16 -15	-17 -9	4 4 5	1	4 4 4	2 1 5 7	4 5	5 6	8	21 27 10 9 9 21 27 10 9 9	9 15 7
24-10-2023 2:45 Note NML35 ARL Notes SN:8781C8				53 28 48 32	16 37 2	Chack shows 50 dB4	Bird LAmex Bird LAmex	-19 -18	-18 -10 - -17 -7 - -13 -7 -	4 3	2 -	4 -2 0 5	7 10 11 18	11 17	36 27 2 31 26 2	18	21 22 10 9 9 21 25 11 10 9	5 6 3
24-10-2023 3:00 Night NML35 ARL Nigara SN:8781CE 24-10-2023 3:15 Night NML35 ARL Nigara SN:8781CE 24-10-2023 3:30 Night NML35 ARL Nigara SN:8781CE	6.8 50 9.0 38 8.3 29	0 19.4	87 38 0	37 35 44 41	9 32 3	Check, above 50 dBA 3 Ok, 550 dBA 6 Ok, 550 dBA	Bed - Exclude Bed - Exclude	-9	4 2	2 3 4	7 10 1	6 8 8 13	7 23 26 26 9 24 29 11	22 17	15 12 1 21 19 1	1 11	20 23 11 10 9 19 23 12 10 9 20 24 12 11 10	8 7 4 8 6 3
24-10-2023 3:45 Night NML35 ARL Ngara SN:8781CE 24-10-2023 4:00 Night NML35 ARL Ngara SN:8781CE	8.6 23 9.7 22		85 48 0 84 62 0	46 43 54 42	14 40 3 13 42 3	Ok, S50 dBA Check, above 50 dBA	Bird - Exclude Wind, Birds - Exclude	1 0	3 6 3 5	5 10 12 5 9 11	14 1 13 1	5 17 15 17 5 17 15 18	11 26 31 34 10 26 30 34	35 30 34 29	25 22 2 38 29 2	17	20 24 14 13 11 20 24 14 12 11	9 7 4 9 7 3
24-10-2023 4:15 Nath NML35 ARL Ngara SN:8781C6 24-10-2023 4:30 Nath NML35 ARL Ngara SN:8781C6 24-10-2023 4:45 Nath NML35 ARL Ngara SN:8781C6			84 61 0 85 56 0 86 60 0		44 40 3 44 40 3	Check, above 50 dBA Check, above 50 dBA Check, above 50 dBA	Wind, Birds - Exclude Wind, Birds - Exclude	-2 -4	1 5	6 7 10 5 6 9	12 1 11 1	3 14 13 16 1 13 12 16	10 26 30 33 10 26 30 33 18 23 26 27		35 26 2 29 23 2 40 34 4	22	23 25 15 13 10	9 7 4
24-10-2023 5:00 Night NML38 ARL Noors SN:8781C8	4.0 40	0 18.5		56 52 55 48	14 45 3	2 Check, above 50 dBA	Wind, Birds - Exclude Wind, Birds - Exclude	-9 -11	4 -2	2 3 6	8	7 9 9 13 8 10 10 14	5 23 26 27 5 23 26 25	23 26 21 25	40 34 4 37 32 3	1 40	39 34 29 30 27 36 33 32 29 26	14 7 3 15 7 3
24-10-2023 5:15 Night NML38 ARL Ngara SN:8781C8	4.0 38	0 18.1	88 65 0	49 42	3 40 3	Check, above 50 dBA	Wind, Beds - Exclude	-7	4 4	2 4 7	9 1	5 10 10 14	8 24 28 29	25 22	24 25 2	35	31 30 26 24 22	14 7 3

End Time	Time	Location		Mine West				B	5-minute Sta			_	Loosum LAeg15min	tota Lmax Requires Further		the sec		Spedrum			_	_	_				_											
End I ITM	Period	Location	Logger	Wind Spee		Rainfall	Temp Humidity		LAImax	LA1 LA		L/an		Review		25Hz	11 5Hr	40Mz 50	Hr Trop	tz 80H	tz 100H	1258	Tron-	200Hz 2	50Hz 315	н Тапн	I some	530Hz 500	Hz TkHz	1 253444	It men	29My 2	3112 3.1582	- Laure I	9Hz 6.3	kHz BkHz	Titlette I	12.5kHz 16kHz
				(kmbr)	Direction	(TIT)	(oC) (%)	, ,					(incl +2.3 dB						-	_																		
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24-10-2023 5:3	0 Night	NML35	ARL Ngara SN:8781CE		1.4 25	0	18 8	55 6	51 0	54	45	32	42	33 Check, above 50 dBA	Wind, Birds - Exclude	-10	-7	-3	0	2	5	8 :	7 8	9	14	18 2	3 27	27	22 24	34	4 36	35	34 :	0 29	28	27	15 16	7
24-10-2023 5:4			ARL Ngara SN:8781CE		1.5			55 6	58 0	58		31	47	33 Check, above 50 dBA	Wind, Birds - Exclude Wind, Birds - Exclude	ė	- 4	-3	-1	2	5	7 :	7 8	9	14	15 2	3 26	25	22 35	N	3 38	33	35	5 39	35	26 :	13 16	9
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1 December 2023

New Acland Coal Pty Ltd Level 16/175 Eagle Street Brisbane City QLD 4000 MDugmore@newhopegroup.com.au

Attention: Marnie Dugmore

Re: New Acland Coal Mine - Stage 3: October 2023 Noise Report - Independent Peer Review

AARC Environmental Solutions Pty Ltd (AARC) has been commissioned by New Acland Coal Pty Ltd (NAC), part of the New Hope Group, to undertake a peer review of the monthly compliance noise monitoring reports for New Acland Coal Mine Stage 3. This review addresses the October 2023 noise report.

The author of this review is Stephen Pugh, an Acoustic Engineer with over 25 years of acoustics experience including environmental and mine related noise and vibration matters.

Introduction

The noise monitoring and monthly reports are to be undertaken and prepared by SLR Consulting Australia Pty Ltd (SLR) as per Environmental Authority (EA) EPML00335713 Conditions F4 and F6, and Table F2. The EA references a noise monitoring program which is included in the NAC Noise and Vibration Management Plan (NVMP) (27/04/2023, Version 0, and labelled draft).

EA Condition F12(g) indicates that the monthly compliance report is subject to a peer review, and Condition F13 includes the following related requirements:

The environmental authority holder must, at their own cost, appoint an independent acoustic consultant to review the monthly noise report format for a twelve (12) month period following the commencement of reporting.

The monthly reports must be submitted to the administering authority.

The monthly reports must be produced to present information from noise monitoring in a manner that is clear, open and unambiguous.

The independent peer review requirement is also included in Section 6.3 of the NVMP as follows:

In accordance with EA Condition F13, for the first 12 months of the Stage 3 Mine, the monthly Compliance Noise Monitoring Report must be reviewed by an appropriately-qualified independent acoustic consultant. This independent acoustic consultant must prepare their own (independent) report/memorandum, within two weeks of receiving the draft report, stating the process they have used to review the noise monitoring, analysis and findings and their acceptance (or otherwise) of the monthly noise monitoring report.

Review history

This monthly report addresses noise monitoring in October 2023. The October SLR report and data was provided to AARC for review on 17/11/2023. AARC provided queries in the form of a marked-up report on 24/11/2023 and received a response from SLR on 29/11/2023.

The purpose of this report is to provide a peer review of the 'New Acland Coal – Stage 3 Noise Survey October 2023' report by SLR (ref: 620.10963.01007, Revision: 0.1, dated 17/11/2023)

Review

The following review is provided on the basis of the SLR report, SLR spreadsheets, a previous Teams meeting in which SLR demonstrated the spreadsheets associated with the analysis, and correspondence and discussions between AARC and SLR regarding the report and methodology. AARC has not reviewed any audio data in the review process, and therefore it is assumed that the records of noise sources in the SLR spreadsheets are accurate.

It is noted that the SLR report indicates that coal mining and CHPP operation have commenced, and therefore increased noise levels could be expected. However, the CHPP only operates weekday daytimes at the time of monitoring, and therefore would not affect the more stringent night time period.

The process that SLR has used to determine mine noise levels from the attended and unattended noise measurements is considered appropriate as extraneous noise was removed in accordance with an acceptable standard. Selected calculations and analysis in the sample spreadsheets for NML1 and NML4 for October 2023 were reviewed. The review included inspecting the acoustic spectrum of 15-minute noise levels that resulted in noise levels above the limit. The spectrums were checked against the SLR advised noise sources for plausibility. Additionally, fundamental acoustic calculations were cross-checked. The spreadsheet reviews are included in the Excel files "NAC Unattended Analysis_NML1_202310_For Review Only_AARC" and "NAC Unattended Analysis_NML4_202310_For Review Only_AARC". The result of the review concluded that the SLR spreadsheet analysis was acceptable.

It is understood that there were no rail activities during this monitoring period as the NAC rail spur is yet to be constructed, and therefore the rail noise limits in the EA did not require consideration.

It is noted that unattended monitoring was conducted over multiple periods, and SLR has advised that this was due to equipment failure and selecting monitoring periods with improved weather conditions. Equipment failure is not uncommon when monitoring is conducted at a large number of sites, as is required for this project.

The SLR report concludes that noise levels during the October 2023 monitoring period were compliant with the NAC's EA. Upon review of the SLR report, AARC agree with this conclusion.

The earlier monitoring period (August) included several noise level exceedances, and the improvement to zero exceedances for September and October is noted.

Review of time of day of attended measurements

Part 6.2 of the NVMP includes the following requirement:

Ideally one (1) measurement will be taken during each of the day (7am to 6pm), evening (6pm to 10pm) and night (10pm to 7am) periods. However, if mining operations are unmeasurable during the day period (due to non-adverse weather and/or the presence of other ambient extraneous noise sources), then the three (3) measurements must be undertaken during the evening and/or night periods.

Upon review of the above requirement, it is unclear how mining operations would be unmeasurable due to 'non-adverse weather' and it is expected that this phrase is intended to be written as 'adverse weather' or 'non-favourable weather'. A review of the attended measurements from August to October (i.e. periods when 24 hour monitoring has been conducted) indicates that mining noise has generally not been detectable in the day, evening and night. Therefore, this does not warrant ending daytime noise measurements. A review of the previous 4 months of unattended noise levels indicates the following:

- Day: noise levels have been within 1 dB of the limit.
- Evening: noise levels have exceeded the limit during one month, and matched the limit during another month.

Night: noise levels have matched the limit in three months.

Based on the outcome of this review of unattended data, it is proposed that daytime attended measurements should continue given mine noise levels have been measured close to the limit. Additionally, some mine operations only occur in the daytime (e.g. CHPP operation) or are more intensive in the daytime, which provides further justification for continuing daytime noise level measurements.

Review of timing of attended measurements

AARC has undertaken a review of the monitoring times at which attended measurements have been conducted over the June to October monitoring periods, with the analysis shown in Figure 1.

From this data, it is evident that noise measurements have not been conducted in the middle/latter part of the night, between 2:00am and 6:00am. The EA condition and the NVMP do not include a requirement to undertake noise levels at all times of the night. However, this time period represents approximately 45% of the overall night period and is typically the time of the night when mine noise levels are highest when measured at distance due to the increased occurrence of temperature inversions. Therefore, it is recommended that future monitoring include noise level monitoring during this period, such that the graph in Figure 1 is more evenly distributed at night when reviewed again later in this initial 12-month monitoring period.

It is further noted that bird noise may increase in the latter part of the night (e.g. 4am onwards in summer) and therefore it may be more appropriate to increase measurements in the 1am to 4am period in summer, and extend this to 5am or 6am during winter when bird noise occurs later in the morning.

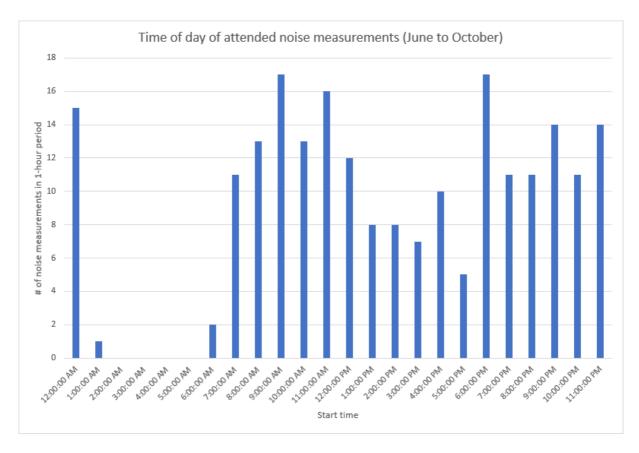


Figure 1: Time of day of attended noise measurements (June to October)

It is recognized that unattended noise monitoring is conducted 24 hours/day, and therefore covers this night period in entirety, however, it is this author's experience that attended noise measurements are of higher value than unattended measurements for understanding and assessing noise levels.

Summary

Overall, AARC accepts the October 2023 SLR report as being in accordance with the EA, and agrees with the conclusion of the SLR report that NAC mine noise levels during the October 2023 monitoring period were compliant with the NAC EA.

A recommendation has been made to increase the number of attended noise measurements conducted in the 1am to 4am period of night in summer, and to extend this to cover 1am to 5am/6am during winter as bird noise occurs later in the morning.

Yours sincerely

Stephen Pugh Principal Engineer

Appendix 4 – Extracted Conditions

Table 11: Regulatory conditions and requirements referred to in report.

Condition	Report section
Environmental Authority	
Air Quality	
(B2) All air quality indicators listed in Table B1 – Air quality monitoring	Sections 2.2, and 3.1
requirements ³ , must be monitoring at the locations and at the	
frequency listed in Table B1 – Air quality monitoring requirements in	
accordance with the following methodologies:	
a) For dust deposition of 120 milligrams per square metre per day,	
averaged over 1-month, when monitored in accordance with the most	
recent version of Standards Australia AS/NZS 350.10.1 Methods for	
sampling and analysis of ambient air – Determination of particulate	
matter – Deposited matter – Gravimetric method;	
b) For a concentration of particulate matter with an aerodynamic	
diameter of less than 10 micrometres (PM10) suspended in the	
atmosphere of 50 micrograms per cubic metre e over a 24-hour	
averaging time1 and 25 micrograms per cubic metre over a 1-year	
averaging time1, when monitored in accordance with the most recent	
version of either: (i) Standards Australia AS/NZS 3580.9.6 Methods for	
sampling and analysis of ambient air – Determination of suspended	
particulate matter – PM10 high volume sampler with size-selective inlet	
- Gravimetric method; or	
(ii) Standards Australia AS/NZS 3580.9.9 Methods for sampling and	
analysis of ambient air – Determination of suspended particulate matter	
– PM10 low volume sampler – Gravimetric method; or	
(iii) Standards Australia AS 3580.9.8 Methods for sampling and analysis	
of ambient air – Determination of suspended particulate matter – PM10	
continuous direct mass method using tapered element oscillating	
microbalance analyser.	
c) For a concentration of particulate matter suspended in the	
atmosphere of 90 micrograms per cubic metre over a 24-hour	
averaging time and 90 micrograms per cubic metre over a 1-year	
averaging time1, when monitored in accordance with the most recent	
version of AS/NZS 3580.9.3 Methods for sampling and analysis of	
ambient air – Determination of suspended particulate matter – Total	
suspended particulate matter (TSP) – High volume sampler gravimetric	
method.	
d) For a concentration of particulate matter with an aerodynamic	
diameter of less than 2.5 micrometres (PM2.5) suspended in the atmosphere of 25 micrograms per cubic meter over a 24-hour	
averaging time1 and 8 micrograms per cubic meter over a 24-hour	
averaging time1 and a micrograms per cubic meter over a 1-year averaging time1 when monitored in accordance with:	
(i) The most recent version of Standards Australia AS/NZS 3580.9.12	
Methods for sampling and analysis of ambient air, Determination of	
suspended particulate matter – PM2.5 beta attenuation monitors; or	
Suspended particulate matter - 1 MZ.3 beta attenuation monitors, of	

 $^{^{3}}$ Reproduced as Table 7 in Appendix 5 of this Report.

Condition	Report section
(ii) The most recent version of Standards Australia AS/NZS 3580.9.13 Methods of sampling and analysis of ambient air, Determination of suspended particulate matter – PM2.5 continuous direct mass method using a tapered element oscillating microbalance monitor; or (iii) Another method as agreed to in writing by the administering authority. NOTE: 1 These limits are based upon relevant air quality objectives contained in the Environmental Protection (Air) Policy 2019 and may be automatically amended to reflect any amendment or replacement of the relevant air quality objective in the Environmental Protection (Air) Policy 2019.	Report Section
(B8) All continuously monitored parameters required by Table B1 – Air quality monitoring requirements and the forecasting system required by condition B5 must be made publicly available online and in real-time, presented: a) Spatially; and b) Real-time rolling over 1-hour average across all sites that can be drilled into for each location to provide: (i) Real-time rolling over 1-hour average data on 24-hour basis; (ii) Links to historical data on one hour basis; and (iii) Links to historical 24-hour data.	Please see the Real-Time Air Quality and Noise Performance Monitoring Data dashboard.
Noise	
(F1) The environmental authority holder must ensure that noise generated by the mining activities does not cause the criteria in Table F1 – Noise Limits (includes construction activities) ⁴ to be exceeded at a noise sensitive place	Section 3.2
(F3) The environmental authority holder must ensure that blasting does not cause the limits for peak particle velocity and air blast overpressure in Table F3 – Blasting noise limits ⁵ to be exceeded at a noise sensitive place.	Not applicable to this Report as no blasting was conducted in the period.
(F6) Compliance noise monitoring and recording required by conditions F4, F5, F6, F7 and F8 must conducted in accordance with the administering authority's Noise Measurement Manual and include the following: a) LA01, adj, 15 min - day, evening & night; LA10, adj, 15 min - day, evening & night; LAeq, adj, 15 min - day, evening & night and LA90, adj, 15 min - day, evening & night and LA90, adj, 15 min - day, evening & night and LA90, adj, 15 min - day, evening & night; b) background noise LA90; c) the level and frequency of occurrence of impulsive or tonal noise and any adjustment and penalties to statistical levels; d) atmospheric conditions including temperature, relative humidity and	Sections 2.3 and 3.3

 $^{^{\}rm 4}$ Reproduced as Table 5 in Appendix 5 of this Report.

 $^{^{\}rm 5}$ Reproduced as Table 6 in Appendix 5 of this Report.

Condition	Report section
e) effects due to any extraneous factors such as traffic noise and natural sources (e.g., insects, birds and wind); f) location, date and time of monitoring; g) if a complaint concerns low frequency noise and where permitted by the owner or occupier of the noise sensitive place: LLINeq 10 min (internal), LAeq 10 min (internal) and one third octave band measurements in LLINeq 10 min (internal) for centre frequencies in the 10 – 200 Hz range; h) maximum (LAmax) noise levels – night (for a minimum of 30 min); and i) 1/3 octave band spectrums.	
(F13) The environmental authority holder must, at their own cost, appoint an independent acoustic consultant to review the monthly noise report format for a twelve (12) month period following the commencement of reporting. The monthly reports must be submitted to the administering authority. The monthly reports must be produced to present information from noise monitoring in a manner that is clear, open and unambiguous.	Section 1.3
(F15) The environmental authority holder must develop and implement a blast monitoring program to monitor compliance with Table F3 – Blasting noise limits for: a) At least 90% of all blasts undertaken on this site in each year at the nearest noise sensitive place to the centroid of the blast; and b) All blasts conducted during any time period specified by the administering authority at the nearest noise sensitive place. Results of the blast monitoring program must be included in the monthly compliance monitoring report required by the coordinator-General's imposed condition 3.	Section 3.3.2

Appendix 5 – Environmental Authority Limits

Table 12: EA Noise Limits (including Construction).

Noise level dBA		All days	
measured as	7am – 6pm	6pm – 10pm	10pm – 7am
Noise measured at a	'Noise sensitive place	,	
LAeq,adj,15min ¹	42	35	35
LAmax	-	-	50
LAmax - rail spur ²	-	-	56
LAeq(24hr) - rail spur ²	50		

Note:

- 1. All noise other than that which is distinguishable as train noise
- 2. Only for noise distinguishable as train noise

Table 13: EA Blasting Noise Limits.

	Sensitive place or commercial place blast	ing noise limits
		Monday to Friday:
Blasting noise		6pm to 7am.
limits	Monday to Friday: 7am to 6pm	Saturday:
IIIIICS	Saturday: 9am to 1pm	1pm to 9am.
		Sunday.
		Public Holidays.
Air blast overpressure	115 dB (Linear) Peak for 9 out of 10 consecutive blasts initiated and not greater than 120 dB (Linear) Peak at any time	No blasting
Ground vibration peak particle velocity	5mm/second peak particle velocity for 9 out of 10 consecutive blasts and not greater than 10 mm/second peak particle velocity at any time	No blasting

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Table 14: Air quality limits and monitoring requirements

Location*	Air Quality Indicator	Instrument	Frequency	Air Quality Limit	Nuisance Limit
1, 2 (Acland)	PM2.5	TEOM	Continuous	25μg/m3 (24-hr avg) 8μg/m3 (annual)	
	PM10	TEOM	Continuous	50μg/m3 (24-hr avg) 25μg/m3 (annual)	
	TSP	Modified TEOM	Continuous	90µg/m3 (annual)	80µg/m3 (24-hr avg)
	Insoluble solids	Dust Gauge	Monthly	120mg/m2/day	120mg/m2/day
7,8 (or an alternative location to the north of	PM10	TEOM	Continuous	50μg/m3 (24-hr avg) 25μg/m3 (annual)	
he Stage 3 New	TSP	Modified TEOM	Continuous	90µg/m3 (annual)	
Acland mine identified I the Air Emissions Management Plan developed pursuant to condition B4).	Insoluble solids	Dust Gauge	Monthly	120mg/m2/day	
16 (East) Acland- Silverleigh Road	PM10	TEOM	Continuous	50μg/m3 (24-hr avg) 25μg/m3 (annual)	
	TSP	Modified TEOM	Continuous	90µg/m3 (annual)	80µg/m3 (24-hr avg)
	Insoluble solids	Dust Gauge	Monthly	120mg/m2/day	120mg/m2/day
38,39 (or an alternative location to the north-	PM10	TEOM	Continuous	50μg/m3 (24-hr avg) 25μg/m3 (annual)	
west of the Stage 3	TSP	Modified TEOM	Continuous	90µg/m3 (annual)	80µg/m3 (24-hr avg)
New Acland mine identified in the Air Emissions Management Plan developed in pursuant to condition B4).	Insoluble solids	Dust Gauge	Monthly	120mg/m2/day	120mg/m2/day
15 (East)	PM10	TEOM	Continuous	50μg/m3 (24-hr avg) 25μg/m3 (annual)	
	TSP	Modified TEOM	Continuous	90µg/m3 (annual)	80µg/m3 (24-hr avg)

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Location*	Air Quality Indicator	Instrument	Frequency	Air Quality Limit	Nuisance Limit
	Insoluble solids	Dust Gauge	Monthly	120mg/m2/day	120mg/m2/day
35,36 (west of mine site)	PM10	TEOM	Continuous	50μg/m3 (24-hr avg)	
				25µg/m3 (annual)	
	TSP	Modified TEOM	Continuous	90µg/m3 (annual)	80µg/m3 (24-hr avg)
	Insoluble solids	Dust Gauge	Monthly	120mg/m2/day	120mg/m2/day
37 (West)+ (trend monitoring at 37 or an alternative location to	PM10	TEOM	Continuous	50μg/m3 (24-hr avg)	
				25µg/m3 (annual)	
	TSP	Modified TEOM	Continuous	90µg/m3 (annual)	80µg/m3 (24-hr avg)
the west of Stage 3	Insoluble solids	Dust Gauge	Monthly	120mg/m2/day	120mg/m2/day
New Acland mine					
identified in the Air					
Emissions					
Management Plan					
developed pursuant to					
condition B4).	DM10	TEOM	Cantinuana	F0::=/==2 (24 bs:=::=)	
44 (northwest)+ (trend monitoring at 44 or an	PM10	TEOM	Continuous	50μg/m3 (24-hr avg) 25μg/m3 (annual)	
alternative location to	TSP	Modified TEOM	Continuous	90µg/m3 (annual)	80µg/m3 (24-hr avg)
the north-west of the	Insoluble solids	Dust Gauge	Monthly	120mg/m2/day	120mg/m2/day
Stage 3 New Acland					
mine identified in the					
Air Emissions					
Management Plan					
developed pursuant to condition B4).					